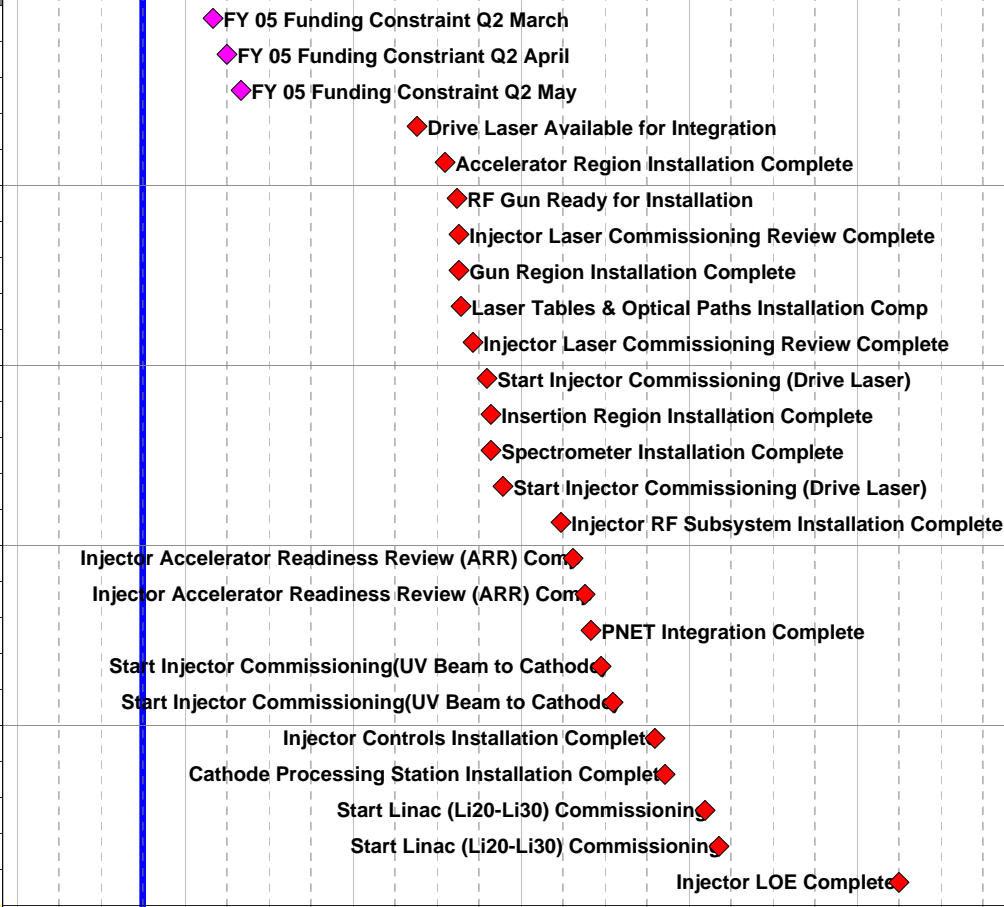


Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009

1 LCLS PROJECT - PED & CONSTRUCTION

1.02 INJECTOR SYSTEM

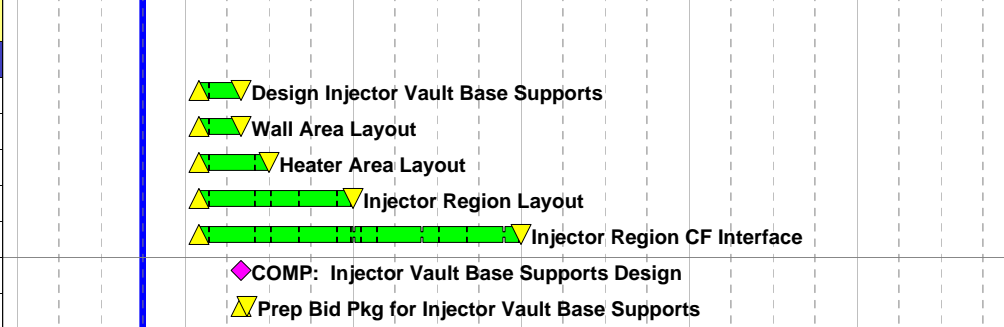
IJMS_01	FY 05 Funding Constraint Q2 March	0	01MAR05*	
IJMS_02	FY 05 Funding Constraint Q2 April	0	01APR05*	
IJMS_03	FY 05 Funding Constraint Q2 May	0	02MAY05*	
MS3_IJ005	Drive Laser Available for Integration	0		19MAY06*
MS3_IJ085	Accelerator Region Installation Complete	0		18JUL06*
MS3_IJ125	RF Gun Ready for Installation	0		11AUG06*
MS3_IJ0027	Injector Laser Commissioning Review Complete	0		18AUG06*
MS3_IJ080	Gun Region Installation Complete	0		18AUG06*
MS3_IJ032	Laser Tables & Optical Paths Installation Comp	0		21AUG06*
MS2_IJ0027	Injector Laser Commissioning Review Complete	0		18SEP06*
MS3_IJ0010	Start Injector Commissioning (Drive Laser)	0	18OCT06*	
MS3_IJ100	Insertion Region Installation Complete	0		27OCT06*
MS3_IJ105	Spectrometer Installation Complete	0		27OCT06*
MS2_IJ0010	Start Injector Commissioning (Drive Laser)	0	20NOV06*	
MS3_IJ110	Injector RF Subsystem Installation Complete	0		28MAR07*
MS3_IJ0030	Injector Accelerator Readiness Review (ARR) Comp	0		20APR07*
MS2_IJ0030	Injector Accelerator Readiness Review (ARR) Comp	0		18MAY07*
MS3_CT090	PNET Integration Complete	0		30MAY07*
MS3_IJ0020	Start Injector Commissioning(UV Beam to Cathode)	0		20JUN07*
MS2_IJ0020	Start Injector Commissioning(UV Beam to Cathode)	0		20JUL07*
MS3_CT070	Injector Controls Installation Complete	0		19OCT07*
MS3_IJ115	Cathode Processing Station Installation Complete	0		06NOV07*
MS3_LN025	Start Linac (Li20-Li30) Commissioning	0	04FEB08*	
MS2_LN025	Start Linac (Li20-Li30) Commissioning	0	04MAR08*	
IJ_LOE	Injector LOE Complete	0		31MAR09



1.02.01 Injector System Management & Integration

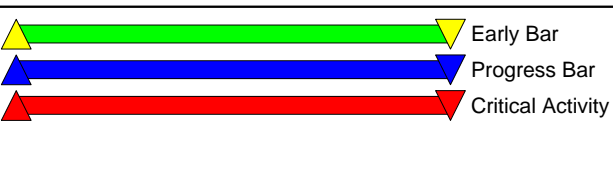
1.02.01.01 Injector System Integration

IJ101_1100	Design Injector Vault Base Supports	63	01FEB05*	29APR05
IJ101_5010	Wall Area Layout	63	01FEB05*	29APR05
IJ101_4010	Heater Area Layout	106	01FEB05*	30JUN05
IJ101_1010	Injector Region Layout	232	01FEB05*	30DEC05
IJ101_1040	Injector Region CF Interface	483	01FEB05*	29DEC06
IJ101_1110	COMP: Injector Vault Base Supports Design	0		29APR05
IJ101_1120	Prep Bid Pkg for Injector Vault Base Supports	10	02MAY05	13MAY05

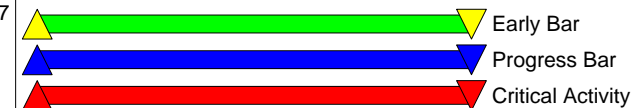


Start Date	01JUN01
Finish Date	31MAR09
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LCLS
INTEGRATED SCHEDULE
Injector



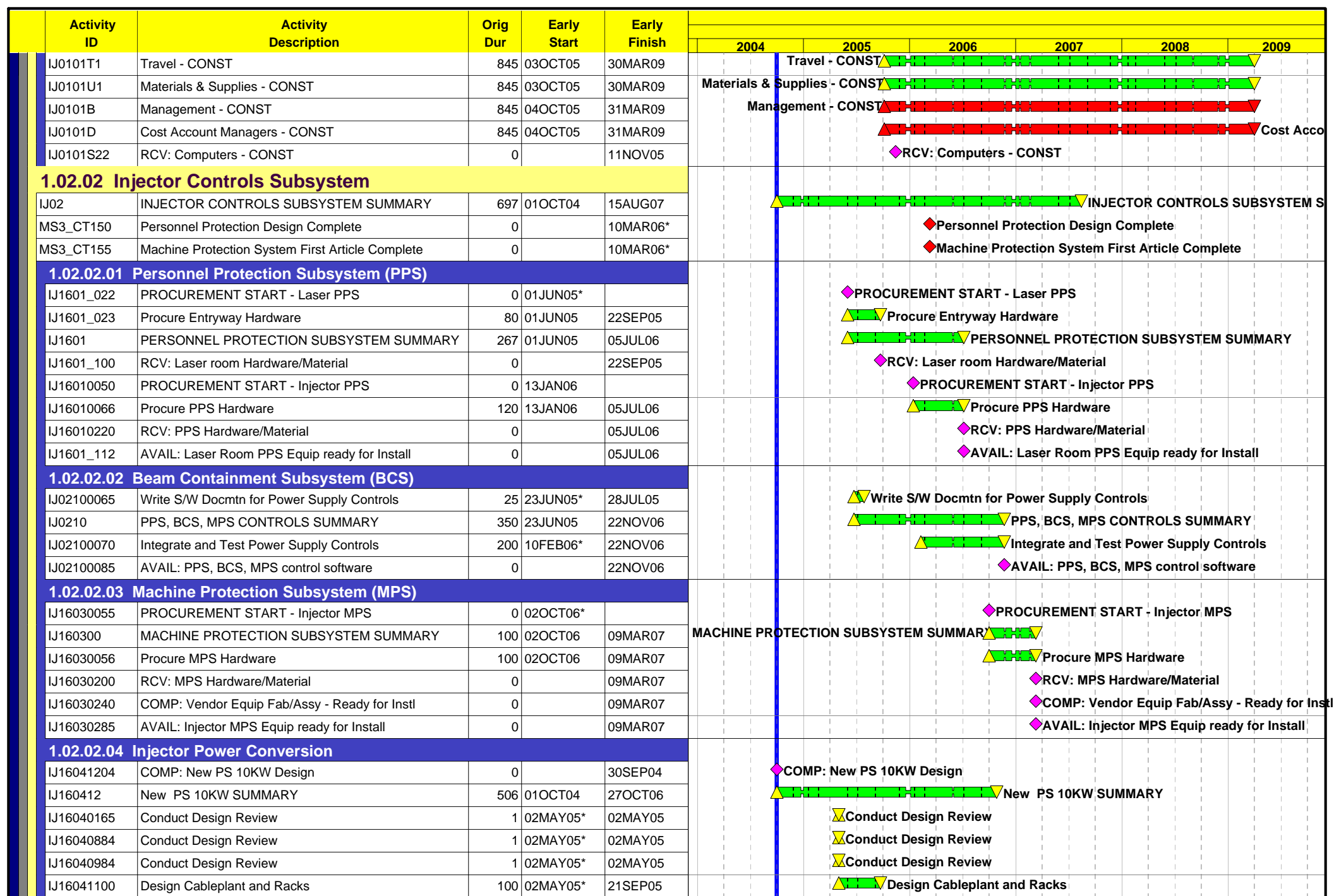
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ101_3010	Accelerator Area Layout	85	02MAY05*	30AUG05			Accelerator Area Layout				
IJ101_1130	RELEASE RFP: Injector Vault Base Supports	1	16MAY05	16MAY05			RELEASE RFP: Injector Vault Base Supports				
IJ101_1020	Injector Region Fabrication Oversight	316	16MAY05*	15AUG06			Injector Region Fabrication Oversight				
IJ101_1140	Vendor Prep Proposal for Inj Vault Base Supports	5	17MAY05	23MAY05			Vendor Prep Proposal for Inj Vault Base Supports				
IJ101_1150	RCV: Proposals for Injector Vault Base Supports	1	24MAY05	24MAY05			RCV: Proposals for Injector Vault Base Supports				
IJ101_1160	Evaluate Proposals for Inj Vault Base Supports	3	25MAY05	27MAY05			Evaluate Proposals for Inj Vault Base Supports				
IJ101_2010	Gun Area Layout	86	01JUN05*	30SEP05			Gun Area Layout				
IJ101_1180	Vendor Fab Injector Vault Base Supports	100	01JUN05	20OCT05			Vendor Fab Injector Vault Base Supports				
IJ101_6010	Insertion Area Layout	105	01JUL05*	30NOV05			Insertion Area Layout				
IJ101_5030	Wall Area Documentation	126	01JUL05*	30DEC05			Wall Area Documentation				
IJ101_5020	Wall Area Installation Oversight	20	03OCT05*	28OCT05			Wall Area Installation Oversight				
IJ101_8010	Drive Laser Layout	62	03OCT05*	30DEC05			Drive Laser Layout				
IJ101_7010	Spectrometer Area Layout	81	03OCT05*	30JAN06			Spectrometer Area Layout				
IJ101_4030	Heater Area Documentation	123	03OCT05*	30MAR06			Heater Area Documentation				
IJ101_1190	AVAIL: Injector Vault Base Supports RFI	0		20OCT05			AVAIL: Injector Vault Base Supports RFI				
IJ101_4020	Heater Area Installation Oversight	39	03JAN06*	28FEB06			Heater Area Installation Oversight				
IJ101_3030	Accelerator Area Documentation	126	03JAN06*	30JUN06			Accelerator Area Documentation				
IJ101_3020	Accelerator Area Installation Oversight	43	01MAR06*	28APR06			Accelerator Area Installation Oversight				
IJ101_2030	Gun Area Documentation	127	03APR06*	29SEP06			Gun Area Documentation				
IJ101_2020	Gun Area Installation Oversight	63	01MAY06*	28JUL06			Gun Area Installation Oversight				
IJ101_8020	Drive Laser Installation Oversight	63	01MAY06*	28JUL06			Drive Laser Installation Oversight				
IJ101_8030	Drive Laser Documentation	63	03JUL06*	29SEP06			Drive Laser Documentation				
IJ101_6030	Insertion Area Documentation	125	03JUL06*	29DEC06			Insertion Area Documentation				
IJ101_7030	Spectrometer Area Documentation	125	03JUL06*	29DEC06			Spectrometer Area Documentation				
IJ101_1030	injector Region Documentation	62	02OCT06*	29DEC06			injector Region Documentation				
IJ101_6020	Insertion Area Installation Oversight	85	02OCT06*	02FEB07			Insertion Area Installation Oversight				
IJ101_7020	Spectrometer Area Installation Oversight	85	02OCT06*	02FEB07			Spectrometer Area Installation Oversight				
1.02.01.04 Injector System Integration Effort / M&S											
IJ0101A	Management - PED	244	04OCT04*	03OCT05			Management - PED				
IJ0101C	Cost Account Managers - PED	244	04OCT04	03OCT05			Cost Account Managers - PED				
IJ0101S10	SLAC Place Order Computers - PED	3	01MAR05	03MAR05			SLAC Place Order Computers - PED				
IJ0101S	Computers - PED	151	01MAR05	30SEP05			Computers - PED				
IJ0101T	Travel - PED	151	01MAR05	30SEP05			Travel - PED				
IJ0101U	Materials & Supplies - PED	151	01MAR05	30SEP05			Materials & Supplies - PED				
IJ0101S20	RCV: Computers - PED	0		03MAR05			RCV: Computers - PED				
IJ0101S21	SLAC Place Order Computers - CONST	30	03OCT05	11NOV05			SLAC Place Order Computers - CONST				
IJ0101S1	Computers - CONST	845	03OCT05	30MAR09			Computers - CONST				



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 Early Bar
 Progress Bar
 Critical Activity

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Year						
					2004	2005	2006	2007	2008	2009	
IJ160411	MISC HARDWARE SUMMARY	318	02MAY05	16AUG06							
IJ160408	MCOR_3 SUMMARY	369	02MAY05	27OCT06							
IJ160409	MCOR_4 SUMMARY	369	02MAY05	27OCT06							
IJ160401	SOLENOID 1 PS 10KW SUMMARY	370	02MAY05	30OCT06							
IJ16040106	PROCUREMENT START - Solenoid 1 PS 10KW	0	03MAY05*								
IJ16040806	PROCUREMENT START - MCOR_3 (30Amp)	0	03MAY05*								
IJ16040906	PROCUREMENT START - MCOR_4 (12Amp)	0	03MAY05*								
IJ16040825	30Amp Power Supply - (MCOR_3)	105	03MAY05	29SEP05							
IJ16040925	30 Amp Power Supply (MCOR_4)	105	03MAY05	29SEP05							
IJ16040107	10kw Power Supply - (Solenoid 1)	107	03MAY05	03OCT05							
IJ16041104	Captar Documents	10	16MAY05	27MAY05							
IJ16041153	Prep Bid Pak - Single Bay Racks (DC/I&C)	15	31MAY05	20JUN05							
IJ16041163	Prep Bid Pak - Double Bay Racks	15	31MAY05	20JUN05							
IJ16041203	Prep Bid Pak - Cableplant Install(DC.I&C)-S20	15	31MAY05	20JUN05							
IJ16040284	Conduct Design Review	1	01JUN05*	01JUN05							
IJ16040484	Conduct Design Review	1	01JUN05*	01JUN05							
IJ16040582	Conduct Design Review	1	01JUN05*	01JUN05							
IJ160402	SOLENOID 2 PS 15KW SUMMARY	348	01JUN05	27OCT06							
IJ160404	BX011-BX02 PS 15KW SUMMARY	348	01JUN05	27OCT06							
IJ160405	BXS Spect PS 15KW SUMMARY	348	01JUN05	27OCT06							
IJ16040206	PROCUREMENT START - Solenoid 2 PS 15KW	0	02JUN05*								
IJ16040406	PROCUREMENT START -BX011-BX02 PS 15KW	0	02JUN05*								
IJ16040506	PROCUREMENT START - BXS Spect PS 15KW	0	02JUN05*								
IJ16040208	30kw Power Supply - (Solenoid 2)	70	02JUN05	09SEP05							
IJ16040407	15kw Power Supply - (B1-2)	70	02JUN05	09SEP05							
IJ16040507	15kw Power Supply (B3-Spect)	70	02JUN05	09SEP05							
IJ16041154	RELEASE: RFP - Single Bay Racks (DC/I&C)	0		20JUN05							
IJ16041164	RELEASE: RFP - Double Bay Racks	0		20JUN05							
IJ16041205	RELEASE: RFP - Cableplant Install(DC.I&C)-S20	0		20JUN05							
IJ16041115	PROCUREMENT START - Misc Hardware	0	21JUN05								
IJ16041206	PROCUREMENT START - Wiggler PS 10KW	0	21JUN05*								
IJ16041155	Vendors Prep Proposals - Single Bay Racks	20	21JUN05	19JUL05							
IJ16041165	Vendors Prep Proposals - Double Bay Racks	20	21JUN05	19JUL05							
IJ16041207	Vendors Prep Prop-Cableplant Install(DC.I&C)-S20	20	21JUN05	19JUL05							
IJ16041211	10kw Power Supply - (New)	70	21JUN05	28SEP05							
IJ16041116	Cableplant and Rack Hardware	120	21JUN05	09DEC05							
IJ16041156	RCV: Proposals - Single Bay Racks (DC/I&C)	0		19JUL05							

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**LCLS
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Injector



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish								
					2004	2005	2006	2007	2008	2009		
IJ16041166	RCV: Proposals - Double Bay Racks	0		19JUL05								◆RCV: Proposals - Double Bay Racks
IJ16041209	RCV: Proposals - Cableplant Install(DC.I&C)-S20	0		19JUL05								◆RCV: Proposals - Cableplant Install(DC.I&C)-S20
IJ16041267	Evaluate Prop-Cableplant Install(DC.I&C)-S20	10	20JUL05	02AUG05								▲Evaluate Prop-Cableplant Install(DC.I&C)-S20
IJ16041157	Evaluate Proposals - Single Bay Racks (DC/	15	20JUL05	09AUG05								▲Evaluate Proposals - Single Bay Racks (DC/
IJ16041167	Evaluate Proposals - Double Bay Racks	15	20JUL05	09AUG05								▲Evaluate Proposals - Double Bay Racks
IJ16041269	AVAIL: Cableplant Ready to Install(DC.I&C)-S20	0		04AUG05								◆AVAIL: Cableplant Ready to Install(DC.I&C)-S20
IJ16041270	Vendor - Cableplant Install (DC. I&C)-S20	1	04AUG05	04AUG05								▲Vendor - Cableplant Install (DC. I&C)-S20
IJ16041159	Vendor Fab/Assy - Single Bay Racks	120	11AUG05	15FEB06								▲Vendor Fab/Assy - Single Bay Racks
IJ16041169	Vendor Fab/Assy - Double Bay Racks	120	11AUG05	15FEB06								▲Vendor Fab/Assy - Double Bay Racks
IJ16040207	RCV: Power Supply - (Solenoid 2)	0		09SEP05								◆RCV: Power Supply - (Solenoid 2)
IJ16040255	AVAIL: All Solenoid 1 PS 15KW parts	0		09SEP05								◆AVAIL: All Solenoid 1 PS 15KW parts
IJ16040410	RCV: 15kw Power Supply (B1-2)	0		09SEP05								◆RCV: 15kw Power Supply (B1-2)
IJ16040486	COMP: BX011-BX02 PS 15KW Fab & Assembly	0		09SEP05								◆COMP: BX011-BX02 PS 15KW Fab & Assembly
IJ16040510	RCV: Power Supply (B3- Spect)	0		09SEP05								◆RCV: Power Supply (B3- Spect)
IJ16040543	AVAIL: All BXS Spect PS 15KW parts	0		09SEP05								◆AVAIL: All BXS Spect PS 15KW parts
IJ16040584	COMP: BXS Spect PS 15KW Fab & Assembly	0		09SEP05								◆COMP: BXS Spect PS 15KW Fab & Assembly
IJ16041210	RCV: Power Supply - (New)	0		28SEP05								◆RCV: Power Supply - (New)
IJ16041243	AVAIL: All Wiggler PS 10KW parts	0		28SEP05								◆AVAIL: All Wiggler PS 10KW parts
IJ16041260	COMP: Wiggler PS 10KW Fab & Assembly	0		28SEP05*								◆COMP: Wiggler PS 10KW Fab & Assembly
IJ16040807	RCV:30Amp Power Supply - (MCOR_3)	0		29SEP05								◆RCV:30Amp Power Supply - (MCOR_3)
IJ16040863	AVAIL: All MCOR_3 parts	0		29SEP05								◆AVAIL: All MCOR_3 parts
IJ16040907	RCV:Smart Analog Monitor (VMIC 3122)	0		29SEP05								◆RCV:Smart Analog Monitor (VMIC 3122)
IJ16040972	AVAIL: All MCOR_4 parts	0		29SEP05								◆AVAIL: All MCOR_4 parts
IJ16040132	AVAIL: All Solenoid 1 PS 10KW parts	0		03OCT05								◆AVAIL: All Solenoid 1 PS 10KW parts
IJ16040684	Conduct Design Review	1	07DEC05*	07DEC05								▲Conduct Design Review
IJ160406	MCOR_1 SUMMARY	217	07DEC05	27OCT06								▲MCOR_1 SUMMARY
IJ16040606	PROCUREMENT START - MCOR_1 (12Amp)	0	08DEC05*									◆PROCUREMENT START - MCOR_1 (12Amp)
IJ16040625	12 Amp Power Supply (MCOR 1) (16 ps)	105	08DEC05	22MAY06								▲12 Amp Power Supply (MCOR 1) (16 ps)
IJ16041119	RCV: Cableplant and Rack Hardware	0		09DEC05								◆RCV: Cableplant and Rack Hardware
IJ16041160	RCV: from Vendor - Single Bay Racks (DC/I&C)	0		15FEB06								◆RCV: from Vendor - Single Bay Racks (DC/I&C)
IJ16041170	RCV: from Vendor - Double Bay Racks	0		15FEB06								◆RCV: from Vendor - Double Bay Racks
IJ16041300	Integ Rack Rack HW & Internal AC Wiring - S20	12	16FEB06	06MAR06								▲Integ Rack Rack HW & Internal AC Wiring - S20
IJ16040607	RCV:12 Amp Power Supply (MCOR 1) (16 ps)	0		22MAY06								◆RCV:12 Amp Power Supply (MCOR 1) (16 ps)
IJ16040667	AVAIL: All MCOR_1 parts	0		22MAY06								◆AVAIL: All MCOR_1 parts
IJ16041315	Integ Rack/Crate Mount Cntrls&Intra-Cables - S20	30	23MAY06	05JUL06								▲Integ Rack/Crate Mount Cntrls&Intra-Cables - S20
IJ16041305	Integ Rack Mount Pwr Supplies&Intra Cables - S20	60	23MAY06	16AUG06								▲Integ Rack Mount Pwr Supplies&Intra Cables - S20
IJ16041320	Perform Pre-Install Testing Controls - S20	15	06JUL06	26JUL06								▲Perform Pre-Install Testing Controls - S20

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Injector



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ16041325	AVAIL:Preloaded Dbl Bay Racks Rdy to Insta - S20	0		26JUL06							◆AVAIL:Preloaded Dbl Bay Racks Rdy to Insta - S20
IJ16040286	COMP: Solenoid 2 PS 15KW Fab & Assembly	0		16AUG06							◆COMP: Solenoid 2 PS 15KW Fab & Assembly
IJ16040886	COMP: MCOR_3 Fab & Assembly	0		16AUG06							◆COMP: MCOR_3 Fab & Assembly
IJ16040686	COMP: MCOR_1 Fab & Assembly	0	17AUG06	16AUG06							⚠COMP: MCOR_1 Fab & Assembly
IJ16040986	COMP: MCOR_4 Fab & Assembly	0	17AUG06	16AUG06							⚠COMP: MCOR_4 Fab & Assembly
IJ16040170	COMP: Solenoid 1 PS 10KW Fab & Assembly	0		02OCT06*							◆COMP: Solenoid 1 PS 10KW Fab & Assembly
IJ16040704	Conduct Design Panel	1	02OCT06*	02OCT06							⚠Conduct Design Panel
IJ0209	POWER SUPPLY CONTROLS SUMMARY	5	02OCT06	06OCT06							⚠POWER SUPPLY CONTROLS SUMMARY
IJ02090065	Integrate software & hardware	5	02OCT06*	06OCT06							⚠Integrate software & hardware
IJ16040288	Perform Solenoid 2 PS 15KW Pre-Install Qual Test	20	02OCT06*	27OCT06							⚠Perform Solenoid 2 PS 15KW Pre-Install Qual Test
IJ16040488	Perform BX011-BX02 PS 15KW Pre-Install Qual Test	20	02OCT06*	27OCT06							⚠Perform BX011-BX02 PS 15KW Pre-Install Qual Test
IJ16040588	Perform BXS Spect PS 15KW Pre-Install Qual Test	20	02OCT06*	27OCT06							⚠Perform BXS Spect PS 15KW Pre-Install Qual Test
IJ16040688	Perform MCOR_1 Pre-Install Qual Test	20	02OCT06*	27OCT06							⚠Perform MCOR_1 Pre-Install Qual Test
IJ16040725	Perform MCOR_2 Pre-Install Qual Test	20	02OCT06*	27OCT06							⚠Perform MCOR_2 Pre-Install Qual Test
IJ16040888	Perform MCOR_3 Pre-Install Qual Test	20	02OCT06*	27OCT06							⚠Perform MCOR_3 Pre-Install Qual Test
IJ16040988	Perform MCOR_4 Pre-Install Qual Test	20	02OCT06*	27OCT06							⚠Perform MCOR_4 Pre-Install Qual Test
IJ16041262	Perform Wiggler PS 10KW Pre-Install Qual	20	02OCT06*	27OCT06							⚠Perform Wiggler PS 10KW Pre-Install Qual
IJ160407	MCOR_2 SUMMARY	106	02OCT06	19MAR07							⚠MCOR_2 SUMMARY
IJ16040706	PROCUREMENT START - MCOR_2 (12Amp)	0	03OCT06*								◆PROCUREMENT START - MCOR_2 (12Amp)
IJ16040175	Perform Solenoid 1 PS 10KW Pre-Install Qual Test	20	03OCT06	30OCT06							⚠Perform Solenoid 1 PS 10KW Pre-Install Qual Test
IJ16040716	30 Amp Power Supply - (MCOR_2)	105	03OCT06	19MAR07							⚠30 Amp Power Supply - (MCOR_2)
IJ02090085	AVAIL: Power Supply Cntrls Ready for Install	0		06OCT06							◆AVAIL: Power Supply Cntrls Ready for Install
IJ16040290	AVAIL: Solenoid 2 PS 15KW Ready for Install	0		27OCT06							◆AVAIL: Solenoid 2 PS 15KW Ready for Install
IJ16040490	AVAIL: BX011-BX02 PS 15KW Ready for Install	0		27OCT06							◆AVAIL: BX011-BX02 PS 15KW Ready for Install
IJ16040590	AVAIL: BXS Spect PS 15KW Ready for Install	0		27OCT06							◆AVAIL: BXS Spect PS 15KW Ready for Install
IJ16040690	AVAIL: MCOR_1 Ready for Install	0		27OCT06							◆AVAIL: MCOR_1 Ready for Install
IJ16040890	AVAIL: MCOR_3 Ready for Install	0		27OCT06							◆AVAIL: MCOR_3 Ready for Install
IJ16040990	AVAIL: MCOR_4 Ready for Install	0		27OCT06							◆AVAIL: MCOR_4 Ready for Install
IJ16041264	AVAIL: Wiggler PS 10KW Ready for Install	0		27OCT06							◆AVAIL: Wiggler PS 10KW Ready for Install
IJ16040180	AVAIL: Solenoid 1 PS 10KW Ready for Install	0		30OCT06							◆AVAIL: Solenoid 1 PS 10KW Ready for Install
IJ16040791	AVAIL: All MCOR_2 parts	0		19MAR07							◆AVAIL: All MCOR_2 parts
IJ16040792	RCV: 30 Amp Power Supply - (MCOR_2)	0		19MAR07							◆RCV: 30 Amp Power Supply - (MCOR_2)
1.02.02.05 LLRF Controls											
IJ02020625	SLAC Place Order Controls H/W (incl Digitizer)	30	01OCT04	11NOV04							⚠SLAC Place Order Controls H/W (incl Digitizer)
IJ0202	LLRF CONTROLS SUMMARY	621	01OCT04	27APR07							⚠LLRF CONTROLS SUMMARY
IJ02020689	Write RF Software and Documentation	1	08AUG05	08AUG05							⚠Write RF Software and Documentation
IJ02020065	SLAC Place Order Controls H/W (incl digitizer)	30	08AUG05	19SEP05							⚠SLAC Place Order Controls H/W (incl digitizer)

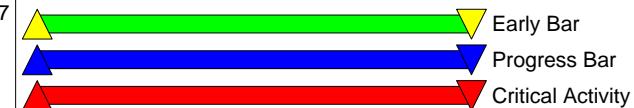
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**LCLS
INTEGRATED SCHEDULE**

Injector



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ02020250	SLAC Place Order Controls H/W (incl Digitizer)	30	08AUG05	19SEP05							
IJ02020805	SLAC Place Order Controls H/W (incl Digitizer)	30	08AUG05	19SEP05							
IJ02020055	Procure controls H/W (incl digitizer) and cables	63	08AUG05	03NOV05							
IJ02020240	Procure Controls H/W (incl Digitizer) and Cables	63	08AUG05*	03NOV05							
IJ02020425	Procure Controls H/W (incl Digitizer) and Cables	63	08AUG05	03NOV05							
IJ02020615	Procure Controls H/W (incl Digitizer) and Cables	63	08AUG05	03NOV05							
IJ02020795	Procure Controls H/W (incl Digitizer) and Cables	63	08AUG05	03NOV05							
IJ02021830	Procure Contros H/W (incl Digitizer) and Cables	63	08AUG05	03NOV05							
IJ02020129	Write RF Software and Documentation - PED	67	08AUG05	09NOV05							
IJ02020516	Write RF Software Documentation	118	08AUG05	08FEB06							
IJ02020870	Write RF Software and Documentation	118	08AUG05	08FEB06							
IJ02021919	Write RF Software and Documentation	118	08AUG05	08FEB06							
IJ02020307	Write RF Control S/W and Docmntn	315	08AUG05	16NOV06							
IJ02020075	RCV: controls H/W (incl digitizer) and cables	0		19SEP05							
IJ02020120	RCV: Procured parts - LLRF Gun Controls	0		19SEP05							
IJ02020303	RCV: Procured parts - LLRF L0-1 Controls	0		19SEP05							
IJ02020304	Build RF Control H/W and Write Docmntn - PED	103	20SEP05	02MAR06							
IJ02020435	SLAC Place Order Controls H/W (incl Digitizer)	30	03OCT05*	11NOV05							
IJ02021840	SLAC Place Order Contros H/W (incl Digitizer)	30	03OCT05*	11NOV05							
IJ02020680	RCV: Procured parts	0		03NOV05							
IJ02020860	RCV: Procured parts	0		03NOV05							
IJ02020684	Build RF Hardware and Write Documentation	55	04NOV05	08FEB06							
IJ02020864	Build RF Hardware and Write Documentation	55	04NOV05	08FEB06							
IJ02020131	Write RF Software and Documentation - CONST	133	10NOV05	06JUN06							
IJ02020495	RCV: Procured parts	0		11NOV05							
IJ02021900	RCV: Procured parts	0		11NOV05							
IJ02021904	Build RF Hardware and Write Documentation	1	14NOV05	14NOV05							
IJ02021910	AVAIL: Hardware for Install in RF Hut	0		14NOV05							
IJ02020508	Build RF Hardware and Write Documentation	55	14NOV05	16FEB06							
IJ02021931	Integrate and Test RF Control	54	15NOV05	16FEB06							
IJ02020734	Integrate and Test RF Control	25	09FEB06	16MAR06							
IJ02020880	Integrate and Test RF Control	25	09FEB06	16MAR06							
IJ02020505	AVAIL: Hardware for Install in RF Hut	0		16FEB06							
IJ02021935	AVAIL:LLRF Tranv Cav Controls Ready to Install	0		16FEB06							
IJ02020526	Integrate and Test LLRF L0-2	24	17FEB06	23MAR06							
IJ02020735	AVAIL: LLRF L1 S-Band Contrlrs Ready to Integrate	0		16MAR06							
IJ02020915	AVAIL: LLRF L1 X-Band Contrlrs Ready to Integrate	0		16MAR06							



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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ02020555	AVAIL: LLRF L0-2 Controls Ready to Install	0		23MAR06			◆ AVAIL: LLRF L0-2 Controls Ready to Install				
IJ02020130	Build RF Hardware & Write Documentation	61	09MAY06	03AUG06			▲▲ Build RF Hardware & Write Documentation				
IJ02020306	Build RF Control H/W and Write Docmntn - CONST	212	09MAY06	26MAR07			▲▲▲ Build RF Control H/W and Write Docmntn - CONST				
IJ02020141	Integrate & Test RF Control	72	07JUN06	18SEP06			▲▲ Integrate & Test RF Control				
IJ02020127	AVAIL: Racks for Install in RF Hut	0		03AUG06			◆ AVAIL: Racks for Install in RF Hut				
IJ02020180	AVAIL: LLRF Gun Controls Ready to Integrate	0		18SEP06			◆ AVAIL: LLRF Gun Controls Ready to Integrate				
IJ02020308	Integrate and Test LLRF L0-1	24	27MAR07	27APR07			▲▲ Integrate and Test LLRF L0-1				
IJ02020365	AVAIL: LLRF L0-1 Controls Ready to Install	0		27APR07			◆ AVAIL: LLRF L0-1 Controls Ready to Install				
1.02.02.06 E-Beam Diagnostics Controls											
IJ02030757	SLAC Place Order BLM Controls Hdwr/Eq	3	01OCT04	05OCT04			▲▲ SLAC Place Order BLM Controls Hdwr/Eq				
IJ02030226	SLAC Place Order - Toroid Controls	30	01OCT04	11NOV04			▲▲ SLAC Place Order - Toroid Controls				
IJ02030326	SLAC Place Order - Faraday Cup Controls	30	01OCT04	11NOV04			▲▲ SLAC Place Order - Faraday Cup Controls				
IJ020302	CONTROLS - TOROIDS (5) SUMMARY	673	01OCT04	12JUL07			▲▲▲ CONTROLS - TOROIDS (5) SUMMARY				
IJ0203	E-BEAM DIAG DISPLAY & CONTROLS SUMMARY	680	01OCT04	23JUL07			▲▲▲ E-BEAM DIAG DISPLAY & CONTROLS SUMMARY				
IJ02030745	CONTROLS - BPM PROCESSOR MODULE (21)	680	01OCT04	23JUL07			▲▲▲ CONTROLS - BPM PROCESSOR MODULE (21)				
IJ02030747	Procure BLM Controls Hdwr/Eq	20	02SEP05*	30SEP05			▲▲ Procure BLM Controls Hdwr/Eq				
IJ02030728	SLAC Place Order 21 sets BPM Ctrls H/W & Cables	30	02SEP05	14OCT05			▲▲ SLAC Place Order 21 sets BPM Ctrls H/W & Cables				
IJ02030718	Proc 21 sets BPM Controls H/W and Cables	60	02SEP05	29NOV05			▲▲ Proc 21 sets BPM Controls H/W and Cables				
IJ02030357	Write S/W and Docmntn Faraday Cup Control (4)	1	23SEP05	23SEP05			▲▲ Write S/W and Docmntn Faraday Cup Control (4)				
IJ02030526	SLAC Place Order - Profile Monitor Controls	30	23SEP05	03NOV05			▲▲ SLAC Place Order - Profile Monitor Controls				
IJ02030516	Proc 11 sets Profile Mntr Cntrls H/W & Cables	42	23SEP05	21NOV05			▲▲ Proc 11 sets Profile Mntr Cntrls H/W & Cables				
IJ02030570	Write S/W and Docmntn Profile Monitors (11)	214	23SEP05	11AUG06			▲▲ Write S/W and Docmntn Profile Monitors (11)				
IJ02030767	RCV: BLM Controls Hdwr/Eq	0		30SEP05			◆ RCV: BLM Controls Hdwr/Eq				
IJ02030436	SLAC Place Order - Tune-Up Dump Controls	3	03OCT05*	05OCT05			▲▲ SLAC Place Order - Tune-Up Dump Controls				
IJ02030556	RCV: Procured parts - Profile Monitor Controls	0		21NOV05			◆ RCV: Procured parts - Profile Monitor Controls				
IJ02030569	Build H/W and Write Docmntn Profile Monitor (11)	172	22NOV05	11AUG06			▲▲ Build H/W and Write Docmntn Profile Monitor (11)				
IJ02030726	RCV: Procured parts - BPM Proc Module Cntrls	0		29NOV05			◆ RCV: Procured parts - BPM Proc Module Cntrls				
IJ02030738	Build H/W and Write Docmntn BPMs (21)	200	05DEC05	02OCT06			▲▲ Build H/W and Write Docmntn BPMs (21)				
IJ02030630	Build H/W and Write Docmntn for E/O Diagnostics	100	18JUL06*	07DEC06			▲▲ Build H/W and Write Docmntn for E/O Diagnostics				
IJ02030216	Procure 5 Sets Toroid Cntrls H/W and Cables	42	02OCT06*	30NOV06			▲▲ Procure 5 Sets Toroid Cntrls H/W and Cables				
IJ02030316	Procure 4 Sets Faraday Cup Controls H/W & Cables	42	02OCT06*	30NOV06			▲▲ Procure 4 Sets Faraday Cup Controls H/W & Cables				
IJ02030416	Procure 1 set Tune-up Dump Controls H/W	42	02OCT06*	30NOV06			▲▲ Procure 1 set Tune-up Dump Controls H/W				
IJ02030424	Write S/W - Tune-Up Dump Controls	100	02OCT06*	09MAR07			▲▲ Write S/W - Tune-Up Dump Controls				
IJ02030426	Write Docs - Tune-Up Dump Controls	100	02OCT06*	09MAR07			▲▲ Write Docs - Tune-Up Dump Controls				
IJ02030631	Write S/W and Docmntn E/O Diagnostics	100	02OCT06*	09MAR07			▲▲ Write S/W and Docmntn E/O Diagnostics				
IJ02030571	Integrate and Test Profile Monitors	130	02OCT06*	20APR07			▲▲ Integrate and Test Profile Monitors				
IJ02030740	Integrate and Test BPM Controls	193	03OCT06	23JUL07			▲▲ Integrate and Test BPM Controls				

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
IJ02030244	Write Toroid Software and Documentation	47	25OCT06*	17JAN07					Write Toroid Software and Documentation	
IJ02030238	RCV: Procured parts - Toroid Controls	0		30NOV06					RCV: Procured parts - Toroid Controls	
IJ02030344	RCV: Procured parts - Faraday Cup Controls	0		30NOV06					RCV: Procured parts - Faraday Cup Controls	
IJ02030422	RCV: Procured parts - Tune-Up Dump Controls	0		30NOV06					RCV: Procured parts - Tune-Up Dump Controls	
IJ02030356	Build H/W and Write Docmntn Faraday Cup Cntrl (4)	1	01DEC06	01DEC06					Build H/W and Write Docmntn Faraday Cup Cntrl (4)	
IJ02030430	Assemble Tune-up Dump Controls	42	01DEC06	14FEB07					Assemble Tune-up Dump Controls	
IJ02030358	Integrate and Test Faraday Cup Control (4)	25	04DEC06	23JAN07					Integrate and Test Faraday Cup Control (4)	
IJ02030632	Integrate and Test E/O Diagnostics Controls H/W	125	08DEC06	20JUN07					Integrate and Test E/O Diagnostics Controls H/W	
IJ02030362	AVAIL: Faraday Cup Controls Ready for Install	0		23JAN07					AVAIL: Faraday Cup Controls Ready for Install	
IJ02030433	Integrate and Test Tune Up Dump	28	12MAR07	18APR07					Integrate and Test Tune Up Dump	
IJ02030243	Build Toroid Hardware and Write Documentatin	47	14MAR07	17MAY07					Build Toroid Hardware and Write Documentatin	
IJ02030440	AVAIL: Tune-Up Dump Controls Ready for Install	0		18APR07					AVAIL: Tune-Up Dump Controls Ready for Install	
IJ02030574	AVAIL:Profile Monitor Controls Ready for Install	0		20APR07					AVAIL:Profile Monitor Controls Ready for Install	
IJ02030250	Integrate Software and Hardware	38	18MAY07	12JUL07					Integrate Software and Hardware	
IJ02030636	AVAIL: EO Diagnostic Controls Ready for Install	0		20JUN07					AVAIL: EO Diagnostic Controls Ready for Install	
IJ02030256	AVAIL: Toroid Controls Ready for Install	0		12JUL07					AVAIL: Toroid Controls Ready for Install	
IJ02030744	AVAIL:BPM Proc Module Controls Ready for Install	0		23JUL07					AVAIL:BPM Proc Module Controls Ready for Install	
1.02.02.08 Timing Controls										
IJ02060070	SLAC Place Order Master&Distrib Timing Ctrl H/W	29	01OCT04	10NOV04					SLAC Place Order Master&Distrib Timing Ctrl H/W	
IJ0206	TIMING CONTROLS SUMMARY	549	01OCT04	16JAN07					TIMING CONTROLS SUMMARY	
IJ02060060	Procure Master & Distributed Timing Controls H/W	63	02OCT06*	16JAN07					Procure Master & Distributed Timing Controls H/W	
IJ02060080	RCV: Master & Distributed Timing Controls H/W	0		16JAN07					RCV: Master & Distributed Timing Controls H/W	
1.02.02.09 Vacuum Controls										
IJ02070080	SLAC Place Order Vacuum Ctrls Hardware & Cables	30	02OCT06	10NOV06					SLAC Place Order Vacuum Ctrls Hardware & Cables	
IJ02070070	Procure Vacuum Controls Hardware and Cables	63	02OCT06*	16JAN07					Procure Vacuum Controls Hardware and Cables	
IJ02070210	Write Vacuum Documentation	100	02OCT06*	09MAR07					Write Vacuum Documentation	
IJ0207	VACUUM CONTROLS SUMMARY	211	02OCT06	15AUG07					VACUUM CONTROLS SUMMARY	
IJ02070195	RCV: Vacuum Controls Hardware and Cables	0		16JAN07					RCV: Vacuum Controls Hardware and Cables	
IJ02070202	Build Vacuum H/W and Write Docmntn	14	17JAN07	05FEB07					Build Vacuum H/W and Write Docmntn	
IJ02070216	Integration and Test Vacuum Controls	134	06FEB07	15AUG07					Integration and Test Vacuum Controls	
IJ02070235	AVAIL: Vacuum Control Modules Ready for Install	0		15AUG07					AVAIL: Vacuum Control Modules Ready for Install	
1.02.02.10 Software & Controls Infrastructure										
IJ02080300	Supervision of installation	30	02MAY05*	13JUN05					Supervision of installation	
IJ02080301	SEM Installtn (wall barrd & two 20 A circuits)	100	02MAY05	21SEP05					SEM Installtn (wall barrd & two 20 A circuits)	
IJ0208	SOFTWARE & CNTRLS INFRASTRUCTURE	475	02MAY05	16APR07					SOFTWARE & CNTRLS INFRASTRUCTURE	
IJ02080336	SLAC Place Order Cisco 3550-24 hubs (4)	15	02OCT06	20OCT06					SLAC Place Order Cisco 3550-24 hubs (4)	
IJ02080340	SLAC Place Order singlemode fiber	15	02OCT06	20OCT06					SLAC Place Order singlemode fiber	

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					2004	2005	2006	2007	2008	2009	
IJ02080326	Procure Cisco 3550-24 hubs (4)	21	02OCT06*	30OCT06							▲▼ Procure Cisco 3550-24 hubs (4)
IJ02080405	SLAC Place Order Infrastr Comp, CratesH/W&Cable	30	02OCT06*	10NOV06							▲▼ SLAC Place Order Infrastr Comp, CratesH/W&Cable
IJ02080310	Procure singlemode fiber	63	02OCT06*	16JAN07							▲▼ Procure singlemode fiber
IJ020804	COMPUTER, CRATES, S/W & LICENCES SUMMARY	63	02OCT06	16JAN07							▲▼ COMPUTER, CRATES, S/W & LICENCES SUMMA
IJ02080401	Procure Infrastructure Comp, Crates H/W & Cable	63	02OCT06*	16JAN07							▲▼ Procure Infrastructure Comp, Crates H/W & Cable
IJ02080346	RCV: Cisco 3550-24 hubs (4)	0		30OCT06							◆ RCV: Cisco 3550-24 hubs (4)
IJ02080350	RCV: singlemode fiber	0		16JAN07							◆ RCV: singlemode fiber
IJ02080410	RCV: Infrastructure Comp, Crates H/W & Cable	0		16JAN07							◆ RCV: Infrastructure Comp, Crates H/W & Cable
IJ02080415	AVAIL: Computers & Crates Ready for Instl	0		16JAN07							◆ AVAIL: Computers & Crates Ready for Instl
IJ02080314	Fiber termination	63	17JAN07	16APR07							▲▼ Fiber termination
IJ02080330	AVAIL: Data Comm Circuits Active & Ready	0		16APR07							◆ AVAIL: Data Comm Circuits Active & Ready
1.02.02.12 Laser Controls											
IJ02040205	SLAC Place Order - Gun Laser Controls	30	04AUG05	15SEP05							▲▼ SLAC Place Order - Gun Laser Controls
IJ02040201	Procure 1 set Gun Laser Controls H/W	63	04AUG05	01NOV05							▲▼ Procure 1 set Gun Laser Controls H/W
IJ0204	LASER CONTROLS SUMMARY	163	04AUG05	11APR06							▲▼ LASER CONTROLS SUMMARY
IJ02040210	RCV: Procured parts - Gun Laser Controls	0		01NOV05							◆ RCV: Procured parts - Gun Laser Controls
IJ02040215	Integrate and Test Gun Laser Controls	100	02NOV05	11APR06							▲▼ Integrate and Test Gun Laser Controls
IJ02040220	AVAIL: Laser Cntrls ready for Install	0		11APR06							◆ AVAIL: Laser Cntrls ready for Install
1.02.02.13 Laser Heater Controls											
IJ02050205	SLAC Place Order - Laser Heater Cntrls	15	02OCT06	20OCT06							▲▼ SLAC Place Order - Laser Heater Cntrls
IJ02050201	Procure 1 set Laser Heater Controls H/W	63	02OCT06	16JAN07							▲▼ Procure 1 set Laser Heater Controls H/W
IJ0205	LASER HEATER CONTROLS SUMMARY	163	02OCT06	07JUN07							▲▼ LASER HEATER CONTROLS SUMMARY
IJ02050210	RCV: procured parts - Laser Heater Cntrls	0		16JAN07							◆ RCV: procured parts - Laser Heater Cntrls
IJ02050215	Integrate and Test Laser Heater Controls	100	17JAN07	07JUN07							▲▼ Integrate and Test Laser Heater Controls
IJ02050220	AVAIL: Laser Heater Cntrls Ready for Install	0		07JUN07							◆ AVAIL: Laser Heater Cntrls Ready for Install
1.02.03 Injector Lasers											
IJ03	INJECTOR LASERS SUMMARY	818	16OCT04A	11MAR08							▲▼ INJECTOR LASERS SUMMARY
1.02.03.01 Drive Laser Support											
IJ301_1010	Conduct UV Spatial Shaping Test (ANL)	160	01MAR05*	13OCT05							▲▼ Conduct UV Spatial Shaping Test (ANL)
IJ301_2110	IR diagnostics - design and specify	23	02MAY05	02JUN05							▲▼ IR diagnostics - design and specify
IJ301_2150	Blue diagnostics - design and specify	23	02MAY05	02JUN05							▲▼ Blue diagnostics - design and specify
IJ301_2240	Support Driver Laser Integr-review proposals	23	02MAY05	02JUN05							▲▼ Support Driver Laser Integr-review proposals
IJ301_2010	Shape UV Pulses - convert then stretch	40	02MAY05	27JUN05							▲▼ Shape UV Pulses - convert then stretch
IJ301_2020	Shape UV Pulses - modeling	40	02MAY05*	27JUN05							▲▼ Shape UV Pulses - modeling
IJ301_2040	Temporal pulse - IR shaping	40	02MAY05	27JUN05							▲▼ Temporal pulse - IR shaping
IJ301_2180	UV diagnostics - design and specify	40	02MAY05	27JUN05							▲▼ UV diagnostics - design and specify
IJ301_2120	IR diagnostics - review	1	03JUN05	03JUN05							▲▼ IR diagnostics - review

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					2004	2005	2006	2007	2008	2009	
IJ301_2160	Blue diagnostics - procure	30	03JUN05	15JUL05		▲▼ Blue diagnostics - procure					
IJ301_2130	IR diagnostics - procure	20	06JUN05	01JUL05		▲▼ IR diagnostics - procure					
IJ301_2030	Shape UV Pulses - review	1	28JUN05	28JUN05		▲▼ Shape UV Pulses - review					
IJ301_2190	UV diagnostics - procure	62	28JUN05	23SEP05		▲▼ UV diagnostics - procure					
IJ301_2050	Temporal pulse - blue shaping	67	28JUN05	30SEP05		▲▼ Temporal pulse - blue shaping					
IJ301_2070	UV conversion - specify crystals	20	05JUL05	01AUG05		▲▼ UV conversion - specify crystals					
IJ301_2140	IR diagnostics - activate	20	05JUL05	01AUG05		▲▼ IR diagnostics - activate					
IJ301_2170	Blue diagnostics - activate	20	18JUL05	12AUG05		▲▼ Blue diagnostics - activate					
IJ301_2080	UV conversion - procure crystals	43*	02AUG05	30SEP05		▲▼ UV conversion - procure crystals					
IJ301_2230	Steering stabilization	87*	02AUG05	05DEC05		▲▼ Steering stabilization					
IJ301_2200	UV diagnostics - activate	21	26SEP05	24OCT05		▲▼ UV diagnostics - activate					
IJ301_2060	Temporal pulse - UV shaping	62	03OCT05	30DEC05		▲▼ Temporal pulse - UV shaping					
IJ301_2090	UV conversion - activate and optimize	65	03OCT05	19JAN06		▲▼ UV conversion - activate and optimize					
IJ301_2210	UV diagnostics - review	1	25OCT05	25OCT05		▲▼ UV diagnostics - review					
IJ301_2220	Cathode Launch Optics - test prototype optics	66	28DEC05	03APR06		▲▼ Cathode Launch Optics - test prototype optics					
IJ301_2100	UV conversion - review	1	20JAN06	20JAN06		▲▼ UV conversion - review					
IJ301_2250	Support Driver Laser Integr-integrate shaping	80	07FEB06	31MAY06		▲▼ Support Driver Laser Integr-integrate shaping					
IJ301_2260	COMP: Drive Laser R&D	0		31MAY06		◆ COMP: Drive Laser R&D					
1.02.03.02 Drive Laser System											
MSC_IJ000	CRIT: Release RFP for Drive Laser	0		15OCT04A		◆ CRIT: Release RFP for Drive Laser					
IJ0302	DRIVE LASER SYSTEM SUMMARY	445	16OCT04A	17AUG06		▲▼ DRIVE LASER SYSTEM SUMMARY					
IJ03020050	RELEASE: RFP - Drive Laser	10	04OCT04	15OCT04		▲▼ RELEASE: RFP - Drive Laser					
IJ03020055	Vendors Prep Proposals - Drive Laser	31	18OCT04	01DEC04		▲▼ Vendors Prep Proposals - Drive Laser					
IJ03020060	RCV: Vendor Proposals - Drive Laser	0		01DEC04		◆ RCV: Vendor Proposals - Drive Laser					
IJ03020070	Technical Review Preparation	20	02DEC04	12JAN05		▲▼ Technical Review Preparation					
IJ03020072	Technical Review	2	13JAN05	14JAN05		▲▼ Technical Review					
IJ03020065	Evaluate Vendor Proposals- Drive Laser	50	01FEB05*	12APR05		▲▼ Evaluate Vendor Proposals- Drive Laser					
IJ03020080	Vendor Fab, Assy & Test - Drive Laser	244	03MAY05	03MAY06		▲▼ Vendor Fab, Assy & Test - Drive Laser					
IJ03020082	Reviews of Vendor's Progress	215	25MAY05	14APR06		▲▼ Reviews of Vendor's Progress					
IJ03020085	RCV: Drive Laser from Vendor	0		03MAY06		◆ RCV: Drive Laser from Vendor					
IJ03020115	AVAIL: Drive Laser for Integration	0		03MAY06		◆ AVAIL: Drive Laser for Integration					
IJ03020096	REQD: Sector 20 Alcove Available for Eq Instl	0		21JUN06		◆ REQD: Sector 20 Alcove Available for Eq Instl					
IJ03020097	REQD: Optical Tables Available	0		17AUG06		◆ REQD: Optical Tables Available					
1.02.03.03 Drive Laser Diagnostics											
IJ03030005	Define Laser System Diagnostics Specs	20	01APR05*	28APR05		▲▼ Define Laser System Diagnostics Specs					
IJ03030015	Eng & Design of Drive Laser Diagnostics	38*	01APR05	24MAY05		▲▼ Eng & Design of Drive Laser Diagnostics					
IJ0303	DRIVE LASER DIAGNOSTICS SUMMARY	227	01APR05	09MAR06		▲▼ DRIVE LASER DIAGNOSTICS SUMMARY					

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 Early Bar
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 Critical Activity

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ03030025	COMP: Drive Laser Diagnostics Eng & Design	0		24MAY05		◆ COMP: Drive Laser Diagnostics Eng & Design					
IJ03030070	SLAC Place Order Diagnostics	45	25MAY05	28JUL05		▲▼ SLAC Place Order Diagnostics					
IJ03030030	Procure Streak Camera	60	25MAY05	18AUG05		▲▼ Procure Streak Camera					
IJ03030035	Procure Oscillator Diagnostics	60	25MAY05	18AUG05		▲▼ Procure Oscillator Diagnostics					
IJ03030040	Procure Preamplifier Diagnostics	60	25MAY05	18AUG05		▲▼ Procure Preamplifier Diagnostics					
IJ03030045	Procure Final Amplifier Diagnostics	60	25MAY05	18AUG05		▲▼ Procure Final Amplifier Diagnostics					
IJ03030050	Procure UV Conversion Diagnostics	60	25MAY05	18AUG05		▲▼ Procure UV Conversion Diagnostics					
IJ03030055	RCV: Drive Laser Diagnostics & Streak Camera	0		18AUG05		◆ RCV: Drive Laser Diagnostics & Streak Camera					
IJ03030060	Assemble & Checkout: Drive Laser Diagnostics	90	14OCT05	09MAR06		▲▼ Assemble & Checkout: Drive Laser Diagnostics					
IJ03030065	AVAIL: Drive Laser Diagnostics for Integ	0		09MAR06		◆ AVAIL: Drive Laser Diagnostics for Integ					
1.02.03.04 Timing Stability Monitoring											
IJ03040005	Define Timing stability specs	5	13APR05	19APR05		▲ Define Timing stability specs					
IJ0304	TIMING STABILITY MONITORING SUMMARY	255	13APR05	28APR06		▲ TIMING STABILITY MONITORING SUMMARY					
IJ03040010	Eng & Dsn of Timing Stability Monitoring App	40	26AUG05	21OCT05		▲▼ Eng & Dsn of Timing Stability Monitoring App					
IJ03040035	SLAC Place Order Timing Stability Apparatus	30	24OCT05	06DEC05		▲▼ SLAC Place Order Timing Stability Apparatus					
IJ03040015	Proc Timing Stability Apparatus	60	24OCT05	02FEB06		▲▼ Proc Timing Stability Apparatus					
IJ03040020	RCV: Timing stability Monitoring Apparatus	0		02FEB06		◆ RCV: Timing stability Monitoring Apparatus					
IJ03040025	Assemble & C/O: Timing Stability Mon Apparatus	60	03FEB06	28APR06		▲▼ Assemble & C/O: Timing Stability Mon Apparatus					
IJ03040030	AVAIL: Timing Stability Monitoring Apparatus	0		28APR06		◆ AVAIL: Timing Stability Monitoring Apparatus					
1.02.03.05 Steering Stability Feedback & Msmts											
IJ03050005	Define Steering stability specs	5	25MAY05	01JUN05		▲ Define Steering stability specs					
IJ0305	STEERING STABILITY FEEDBACK & MSMTS	189	25MAY05	09MAR06		▲ STEERING STABILITY FEEDBACK & MSMTS SUMMARY					
IJ03050030	Eng & Dsn of Steering Stability Measurement	60	02JUN05	25AUG05		▲▼ Eng & Dsn of Steering Stability Measurement					
IJ03050045	COMP: Steering Stability Meas Engr & Design	0		25AUG05		◆ COMP: Steering Stability Meas Engr & Design					
IJ03050070	SLAC Place Order Steering Stability Apparatus	30	26AUG05	07OCT05		▲▼ SLAC Place Order Steering Stability Apparatus					
IJ03050060	Procure Steering Stability Apparatus	60	26AUG05	18NOV05		▲▼ Procure Steering Stability Apparatus					
IJ03050065	RCV: Steering Stability Apparatus	0		18NOV05		◆ RCV: Steering Stability Apparatus					
IJ03050090	Assemble & Checkout: Steering Stabilization App	30	21NOV05	19JAN06		▲▼ Assemble & Checkout: Steering Stabilization App					
IJ03050125	AVAIL: Steering Stability Apparatus for Install	0		09MAR06		◆ AVAIL: Steering Stability Apparatus for Install					
1.02.03.06 Pre Amp Low Power Comp											
IJ03060000	Define PreAmplifier Low Power Comp Specs	10	25MAY05	08JUN05		▲ Define PreAmplifier Low Power Comp Specs					
IJ0306	PREAMPLIFIER LOW PWR COMP SUMMARY	119	25MAY05	10NOV05		▲ PREAMPLIFIER LOW PWR COMP SUMMARY					
IJ03060005	Design PreAmplifier Low Power Comp	20	09JUN05	07JUL05		▲▼ Design PreAmplifier Low Power Comp					
IJ03060010	COMP: PreAmplifier Low Power Comp Design	0		07JUL05		◆ COMP: PreAmplifier Low Power Comp Design					
IJ03060075	Fab (InHouse): Custom Low Power Compressor Parts	20	08JUL05	04AUG05		▲▼ Fab (InHouse): Custom Low Power Compressor Parts					
IJ03060065	Procure Low Power Compressor System Parts	60	08JUL05	30SEP05		▲▼ Procure Low Power Compressor System Parts					
IJ03060070	RCV: Low Power Compressor Parts	0		30SEP05		◆ RCV: Low Power Compressor Parts					

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ03060085	Assemble: Low Power Compressor	20	14OCT05	10NOV05			▲▼ Assemble: Low Power Compressor				
IJ03060090	AVAIL: Low Power Compressor for Integration	0		10NOV05			◆ AVAIL: Low Power Compressor for Integration				
1.02.03.07 Transport to Tunnel & Relay Optics											
IJ03070000	Define Beam path, Beam Properties & Model Xport	20	04OCT04	29OCT04			▲▼ Define Beam path, Beam Properties & Model Xport				
IJ0307	TRANSPORT TO TUNNEL & RELAY OPTICS	262	04OCT04	27OCT05			▲▼ TRANSPORT TO TUNNEL & RELAY OPTICS SUMMARY				
IJ03070005	Eng & Dsn of Vertical Transport Tube	60	01MAR05	23MAY05			▲▼ Eng & Dsn of Vertical Transport Tube				
IJ03070010	COMP: Beam tube enclosure engr & Dsn	0		23MAY05			◆ COMP: Beam tube enclosure engr & Dsn				
IJ03070025	Define Spatial Filter(Vacuum) & Opt Relay	10	24MAY05	07JUN05			▲▼ Define Spatial Filter(Vacuum) & Opt Relay				
IJ03070020	FAB (inhouse): Custom Parts Tubes, & Supports	30	24MAY05	06JUL05			▲▼ FAB (inhouse): Custom Parts Tubes, & Supports				
IJ03070075	SLAC Place Order Material and Parts	30	24MAY05	06JUL05			▲▼ SLAC Place Order Material and Parts				
IJ03070015	Procure Material and Parts	60	24MAY05	17AUG05			▲▼ Procure Material and Parts				
IJ03070030	Eng & Dsn of Spatial Filter & Opt Relay	20	08JUN05	06JUL05			▲▼ Eng & Dsn of Spatial Filter & Opt Relay				
IJ03070022	RCV: Custom Parts Tubes, & Supports	0		06JUL05			◆ RCV: Custom Parts Tubes, & Supports				
IJ03070035	COMP: Spatial Filter & Opt Relay Eng & Dsn	0		06JUL05			◆ COMP: Spatial Filter & Opt Relay Eng & Dsn				
IJ03070070	SLAC Place Order Custom Spatial Filter Hardware	15	07JUL05	27JUL05			▲▼ SLAC Place Order Custom Spatial Filter Hardware				
IJ03070040	FAB (inhouse): Custom Spatial Filter Hardware	20	07JUL05	03AUG05			▲▼ FAB (inhouse): Custom Spatial Filter Hardware				
IJ03070050	Procure Spatial Filter & Opt Relay Parts	60	07JUL05	29SEP05			▲▼ Procure Spatial Filter & Opt Relay Parts				
IJ03070045	RCV: Custom Spatial Filter Hardware	0		03AUG05			◆ RCV: Custom Spatial Filter Hardware				
IJ03070017	RCV: Material and Parts	0		17AUG05			◆ RCV: Material and Parts				
IJ03070023	AVAIL: Transport Tube for Installation	0		17AUG05			◆ AVAIL: Transport Tube for Installation				
IJ03070055	RCV: Spatial Filter & Opt Relay Parts	0		29SEP05			◆ RCV: Spatial Filter & Opt Relay Parts				
IJ03070060	Assemble: Spatial Filter & Opt Relay	10	14OCT05	27OCT05			▲▼ Assemble: Spatial Filter & Opt Relay				
IJ03070065	AVAIL: Spatial Filter & Opt Relays for Integ	0		27OCT05			◆ AVAIL: Spatial Filter & Opt Relays for Integ				
1.02.03.08 UV Launch, Conditioning & Diagnostics											
IJ03080010	Design UV Beam Xport & Launch Optics	92	04OCT04	28FEB05			▲▼ Design UV Beam Xport & Launch Optics				
IJ0308	UV LAUNCH,CONDITIONING & DIAGNOSTICS	332	04OCT04	23FEB06			▲▼ UV LAUNCH,CONDITIONING & DIAGNOSTICS SUMMARY				
IJ03080015	Design UV Beam Steering Stabilization App	15	01MAR05	21MAR05			▲▼ Design UV Beam Steering Stabilization App				
IJ03080020	Design UV Spatial Profile Shaper	20	22MAR05	18APR05			▲▼ Design UV Spatial Profile Shaper				
IJ03080025	Eng & Dsn of Pulse Energy Control	20	19APR05	16MAY05			▲▼ Eng & Dsn of Pulse Energy Control				
IJ03080030	Eng & Dsn of UV Diagnostic	20	17MAY05	14JUN05			▲▼ Eng & Dsn of UV Diagnostic				
IJ03080035	COMP: UV Launch,Conditioning & Diag engr & Dsn	0		14JUN05			◆ COMP: UV Launch,Conditioning & Diag engr & Dsn				
IJ03080040	FAB (inhouse): Custom Parts	20	15JUN05	13JUL05			▲▼ FAB (inhouse): Custom Parts				
IJ03080045	Procure UV Launch,Conditioning & Diag HW	60	15JUN05	08SEP05			▲▼ Procure UV Launch,Conditioning & Diag HW				
IJ03080050	RCV: UV Launch,Conditioning & Diag HW	0		08SEP05			◆ RCV: UV Launch,Conditioning & Diag HW				
IJ03080055	Assemble & C/O: UV Launch & Conditioning System	80	14OCT05	23FEB06			▲▼ Assemble & C/O: UV Launch & Conditioning System				
IJ03080060	AVAIL: UV Launch & Conditioning System	0		23FEB06			◆ AVAIL: UV Launch & Conditioning System				

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▲▼ Early Bar

▲▼ Progress Bar

▲▼ Critical Activity

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
1.02.03.09 Load Lock Transport System										
IJ03090000	Define Load Lock Transport System Specs	20	17APR06*	12MAY06			▽ Define Load Lock Transport System Specs			
IJ0309	LOAD LOCK TRANSPORT SYSTEM SUMMARY	165	17APR06	08DEC06			▽ LOAD LOCK TRANSPORT SYSTEM SUMMARY			
IJ03090005	Eng & Dsn of Load Lock Transport System	40	15MAY06	11JUL06			▽ Eng & Dsn of Load Lock Transport System			
IJ03090035	COMP: Load Lock Transport System Engrg & Dsn	0		11JUL06			◇ COMP: Load Lock Transport System Engrg & Dsn			
IJ03090040	FAB (inhouse): Custom Load Lock Transport Sys HW	30	12JUL06	22AUG06			▽ FAB (inhouse): Custom Load Lock Transport Sys HW			
IJ03090045	Procure Load Lock Transport Sys Parts	60	12JUL06	04OCT06			▽ Procure Load Lock Transport Sys Parts			
IJ03090042	RCV: Custom Load Lock Transport Sys HW	0		22AUG06			◇ RCV: Custom Load Lock Transport Sys HW			
IJ03090050	RCV: Load Lock Transport Sys Parts	0		04OCT06			◇ RCV: Load Lock Transport Sys Parts			
IJ03090052	Install transport tubes and supports	15	05OCT06	25OCT06			▽ Install transport tubes and supports			
IJ03090055	Assemble, Integ & C/O:Load Lock Transport System	30	26OCT06	08DEC06			▽ Assemble, Integ & C/O:Load Lock Transport System			
IJ03090060	AVAIL: Load Lock Transport System	0		08DEC06			◇ AVAIL: Load Lock Transport System			
1.02.03.10 Visible Optical Transport & Optics										
IJ03250000	Define Visible Beam properties, Beam path/model	10	24OCT05	04NOV05			▽ Define Visible Beam properties, Beam path/model			
IJ0325	VISIBLE OPTICAL TRANSPORT & DIAG SUMMARY	207	24OCT05	31AUG06			▽ VISIBLE OPTICAL TRANSPORT & DIAG SUMMARY			
IJ03250005	Define Visible Beam transport Diagnostics Rqmts	15	07NOV05	29NOV05			▽ Define Visible Beam transport Diagnostics Rqmts			
IJ03250015	Design Visible Beam Transport Optics & Encl	20	30NOV05	11JAN06			▽ Design Visible Beam Transport Optics & Encl			
IJ03250035	COMP: Visible Beam transport Optics & encl engr	0		11JAN06			◇ COMP: Visible Beam transport Optics & encl engr			
IJ03250025	Design Visible Beam Transport Diagnostics	20	12JAN06	09FEB06			▽ Design Visible Beam Transport Diagnostics			
IJ03250055	Procure Transport Tube Material	60	12JAN06	07APR06			▽ Procure Transport Tube Material			
IJ03250065	Procure Visible Beam Transport Optics & Diag HW	60	12JAN06	07APR06			▽ Procure Visible Beam Transport Optics & Diag HW			
IJ03250040	COMP: Visible Beam transport Diagnostics engr &	0		09FEB06			◇ COMP: Visible Beam transport Diagnostics engr &			
IJ03250060	RCV: Procured Transport Tube Material	0		07APR06			◇ RCV: Procured Transport Tube Material			
IJ03250070	RCV: Visible Beam Transport Optics & Diag HW	0		07APR06			◇ RCV: Visible Beam Transport Optics & Diag HW			
IJ03250045	FAB (inhouse): Visible Beam Transport Tube	20	10APR06	05MAY06			▽ FAB (inhouse): Visible Beam Transport Tube			
IJ03250050	FAB (inhouse):Custom Visible Beam Xport Opt Supt	20	10APR06	05MAY06			▽ FAB (inhouse):Custom Visible Beam Xport Opt Supt			
IJ03250085	Assemble: Visible Beam Transport Optics & Encl	20	08MAY06	05JUN06			▽ Assemble: Visible Beam Transport Optics & Encl			
IJ03250120	AVAIL: Visible Beam Transport & Encl	0		05JUN06			◇ AVAIL: Visible Beam Transport & Encl			
IJ03250100	Assemble: Visible Beam transport diagnostics	10	18AUG06	31AUG06			▽ Assemble: Visible Beam transport diagnostics			
IJ03250125	AVAIL: Visible Beam Transport Diagnostics	0		31AUG06			◇ AVAIL: Visible Beam Transport Diagnostics			
1.02.03.11 LB Infrastructure & LB System Wide Items										
IJ03280105	Drive Laser Design Review	1	01OCT04	01OCT04			▽ Drive Laser Design Review			
IJ0328	LB INFRASTRUC & LB SYSTEM-WIDE & MISC. ITEMS	456	01OCT04	17AUG06			▽ LB INFRASTRUC & LB SYSTEM-WIDE & MISC. ITEMS			
IJ03280045	Define Laser Bay Equipment Requirements	5	04OCT04	08OCT04			▽ Define Laser Bay Equipment Requirements			
IJ03280110	Drive Laser Design Modifications	10	04OCT04	15OCT04			▽ Drive Laser Design Modifications			
IJ03280000	Define Optical Table Specs	10	13APR05	26APR05			▽ Define Optical Table Specs			
IJ03280005	Design Optical Tables, Legs & Encl	60	27APR05	21JUL05			▽ Design Optical Tables, Legs & Encl			

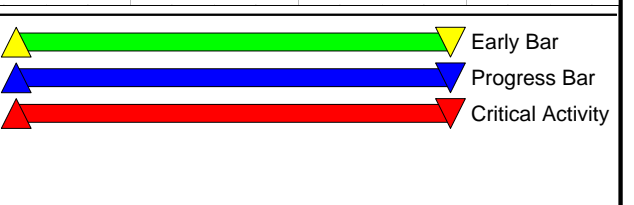
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
IJ03280060	Define OAL Equipment Requirements	5	17MAY05*	23MAY05		⚠ Define OAL Equipment Requirements				
IJ03280065	Develop OAL Design	20	24MAY05	21JUN05		⚠ Develop OAL Design				
IJ03280070	Procure OAL Equipment	60	22JUN05	15SEP05		⚠ Procure OAL Equipment				
IJ03280010	COMP: Optical Tables, Legs & Encl Engr & Dsn	0		21JUL05		◆ COMP: Optical Tables, Legs & Encl Engr & Dsn				
IJ03280115	Drive Laser Bay Earthquake Safety Review plng	10	22JUL05	04AUG05		⚠ Drive Laser Bay Earthquake Safety Review plng				
IJ03280015	Procure Laser Bay Optical Tables, Legs & Encl	90	22JUL05	29NOV05		⚠ Procure Laser Bay Optical Tables, Legs & Encl				
IJ03280075	RCV: OAL Equipment	0		15SEP05		◆ RCV: OAL Equipment				
IJ03280080	REQD: Room for the OAL Available	0		15SEP05		◆ REQD: Room for the OAL Available				
IJ03280085	Install OAL Equipment	20	16SEP05	13OCT05		⚠ Install OAL Equipment				
IJ03280050	Procure Laser Bay Equipment	60	03OCT05	11JAN06		⚠ Procure Laser Bay Equipment				
IJ03280090	AVAIL: OAL	0		13OCT05		◆ AVAIL: OAL				
IJ03280020	RCV: Laser Bay Optical Tables, Legs & Encl	0		29NOV05		◆ RCV: Laser Bay Optical Tables, Legs & Encl				
IJ03280055	RCV: Laser Bay Equipment	0		11JAN06		◆ RCV: Laser Bay Equipment				
IJ03280025	REQD: Sector 20 Alcove Beneficial Occupancy	0		21JUN06		◆ REQD: Sector 20 Alcove Beneficial Occupancy				
IJ03280030	Assemble & C/O Optical Tables, Legs & Encl	40	22JUN06	17AUG06		⚠ Assemble & C/O Optical Tables, Legs & Encl				
IJ03280040	AVAIL: Lsr Bay Tables/Legs/Encl	0		17AUG06		◆ AVAIL: Lsr Bay Tables/Legs/Encl				
1.02.03.12 Alignment Laser										
IJ03290000	Define alignment Laser System requirements	5	05JUL05*	11JUL05		⚠ Define alignment Laser System requirements				
IJ0329	ALIGNMENT LASER SUMMARY	290	05JUL05	08SEP06		⚠ ALIGNMENT LASER SUMMARY				
IJ03290005	Develop alignment Laser System Engrg & Design	20	12JUL05	08AUG05		⚠ Develop alignment Laser System Engrg & Design				
IJ03290025	COMP: Alignment Laser System Dsn	0		08AUG05		◆ COMP: Alignment Laser System Dsn				
IJ03290040	Fab (In House) Alignmt Laser System parts	30	09AUG05	20SEP05		⚠ Fab (In House) Alignmt Laser System parts				
IJ03290030	Procure alignment Laser System off-shelf parts	60	09AUG05	01NOV05		⚠ Procure alignment Laser System off-shelf parts				
IJ03290050	RCV: fabricated mechanical parts	0		20SEP05		◆ RCV: fabricated mechanical parts				
IJ03290035	RCV: procured alignment Laser System off-shelf p	0		01NOV05		◆ RCV: procured alignment Laser System off-shelf p				
IJ03290055	Assemble: alignment Laser system	10	18AUG06	31AUG06		⚠ Assemble: alignment Laser system				
IJ03290060	Test : alignment Laser system	5	01SEP06	08SEP06		⚠ Test : alignment Laser system				
IJ03290065	AVAIL: Alignment Laser System Ready for Install	0		08SEP06		◆ AVAIL: Alignment Laser System Ready for Install				
1.02.03.13 Light path to Streak Camera										
IJ03300000	Define Light Path Sys Reqmts, Beam path & model	10	15AUG05*	26AUG05		⚠ Define Light Path Sys Reqmts, Beam path & model				
IJ0330	LIGHT PATH to STREAK CAMERA SUMMARY	276	15AUG05	29SEP06		⚠ LIGHT PATH to STREAK CAMERA SUMMARY				
IJ03300005	Develop Light Path System Engrg & Design	30	29AUG05	10OCT05		⚠ Develop Light Path System Engrg & Design				
IJ03300035	COMP: Light Path to the Streak Camera Dsn	0		10OCT05		◆ COMP: Light Path to the Streak Camera Dsn				
IJ03300050	Vendors Prep Proposals -Light Path to Srk Camera	20	11OCT05	07NOV05		⚠ Vendors Prep Proposals -Light Path to Srk Camera				
IJ03300040	Procure Light Path off shelf parts	60	11OCT05	20JAN06		⚠ Procure Light Path off shelf parts				
IJ03300085	Proc Light Path transport tube/enclosure/supts	60	11OCT05	20JAN06		⚠ Proc Light Path transport tube/enclosure/supts				
IJ03300055	RCV: Vendor Proposals - Light Path parts	0		07NOV05		◆ RCV: Vendor Proposals - Light Path parts				

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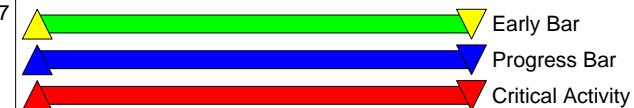
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ03300060	Evaluate Vendor Proposals	5	08NOV05	14NOV05			⚠ Evaluate Vendor Proposals				
IJ03300070	Vendor Fab, Assy & Test	60	18NOV05	02MAR06			⚠ Vendor Fab, Assy & Test				
IJ03300045	RCV: procured off shelf Light Path parts	0		20JAN06			◆ RCV: procured off shelf Light Path parts				
IJ03300090	RCV: Light Path transport tube/enclosure/sufts	0		20JAN06			◆ RCV: Light Path transport tube/enclosure/sufts				
IJ03300075	RCV: Light Path parts from Vendor	0		02MAR06			◆ RCV: Light Path parts from Vendor				
IJ03300080	FAB: Light Path transport tube/enclosure/sufts	30	03MAR06	13APR06			⚠ FAB: Light Path transport tube/enclosure/sufts				
IJ03300125	Assemble: Light Path System	20	18AUG06	15SEP06			⚠ Assemble: Light Path System				
IJ03300140	Test: Light Path system	10	18SEP06	29SEP06			⚠ Test: Light Path system				
IJ03300145	AVAIL: Light Path System Ready for Instl	0		29SEP06			◆ AVAIL: Light Path System Ready for Instl				
1.02.03.14 LSR HTR - Beam Conditioning Optics (Laser Bay)											
IJ15020005	Design Beam Conditioning	42	03OCT06	01DEC06			⚠ Design Beam Conditioning				
IJ1502	BEAM CONDITIONING OPTICS (LB) SUMMARY	123	03OCT06	12APR07			BEAM CONDITIONING OPTICS (LB) SUMMARY				
IJ15020015	Define Beam Conditioning Components Specs	26	04DEC06	24JAN07			⚠ Define Beam Conditioning Components Specs				
IJ15020020	Procure Compressor breadboard and components	40	25JAN07	22MAR07			Procure Compressor breadboard and components				
IJ15020025	Procure First telescope optics	40	25JAN07	22MAR07			⚠ Procure First telescope optics				
IJ15020030	Procure Path length adjustor breadboard & Comps	40	25JAN07	22MAR07			Procure Path length adjustor breadboard & Comps				
IJ15020035	Procure Optics safety equipment	40	25JAN07	22MAR07			⚠ Procure Optics safety equipment				
IJ15020040	Install and Test Beam Conditioning optics	15	23MAR07	12APR07			⚠ Install and Test Beam Conditioning optics				
IJ15020050	COMP: Beam conditioning optics	0		12APR07			◆ COMP: Beam conditioning optics				
1.02.03.15 LSR HTR - Transport Optics (Bay to Tunnel)											
IJ15030005	Design Transport optics	39	25JAN07	21MAR07			⚠ Design Transport optics				
IJ1503	TRANSPORT OPTICS SUMMARY	274	25JAN07	11MAR08			TRANSPORT OPTICS SUMMARY				
IJ15030015	Define Transport System Optics Specs	16	22MAR07	12APR07			⚠ Define Transport System Optics Specs				
IJ15030040	Design enclosures,laser beam tubes & supports	42	22MAR07	18MAY07			Design enclosures,laser beam tubes & support				
IJ15030020	Procure Relay optics transport system	40	13APR07	08JUN07			⚠ Procure Relay optics transport system				
IJ15030025	Procure Reducing telescope	40	13APR07	08JUN07			⚠ Procure Reducing telescope				
IJ15030030	Procure Optics launch table in tunnel	40	13APR07	08JUN07			⚠ Procure Optics launch table in tunnel				
IJ15030045	Procure enclosures,beam tubes & supports	120	21MAY07	07NOV07			Procure enclosures,beam tubes & support				
IJ15030050	AVAIL: Enclosures,tubes & supports for Install	0		07NOV07			AVAIL: Enclosures,tubes & supports for Insta				
IJ15030049	REQD: Enclosures,Tubes & Supports Installed	0		21NOV07			REQD: Enclosures,Tubes & Supports Install				
IJ15030035	Transport optics installation, alignment & test	63	26NOV07	11MAR08			Transport optics installation, alignment & tes				
IJ15030060	COMP: Transport Optics	0		11MAR08			◆ COMP: Transport Optics				
1.02.03.16 LSR HTR - Photon Beam Diagnostics											
IJ15060005	Design Diagnostics	33	13APR07	30MAY07			⚠ Design Diagnostics				
IJ1506	PHOTON BEAM DIAGNOSTICS SUMMARY	136	13APR07	24OCT07			PHOTON BEAM DIAGNOSTICS SUMMARY				
IJ15060015	Prepare Diagnostics spec and purchase	5	31MAY07	06JUN07			⚠ Prepare Diagnostics spec and purchase				
IJ15060040	Design Supports	42	31MAY07	30JUL07			⚠ Design Supports				

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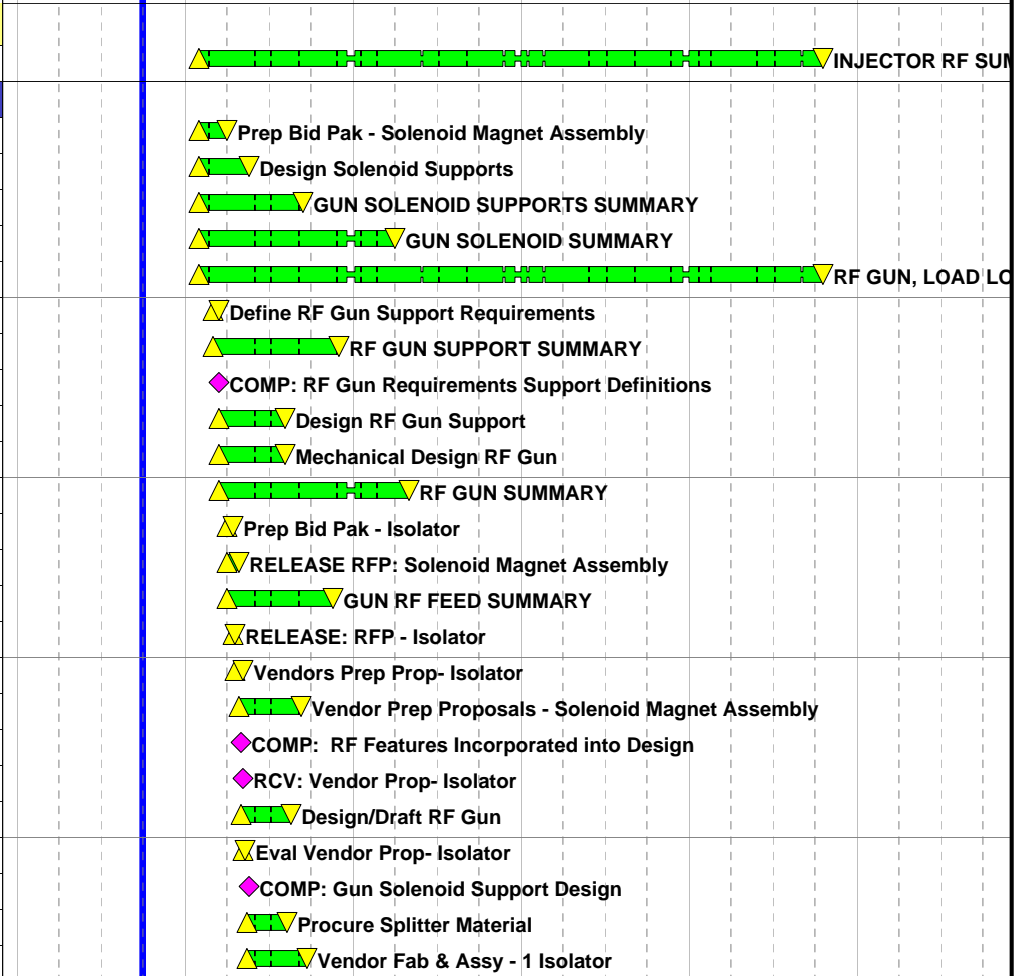
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
IJ15060030	Procure optics for photon diagnostics	21	07JUN07	06JUL07				▲▼ Procure optics for photon diagnostics		
IJ15060032	Procure video cameras for OTRs & waist-size mon	21	07JUN07	06JUL07				▲▼ Procure video cameras for OTRs & waist-size mo		
IJ15060035	Procure Timing diode + oscilloscope	21	07JUN07	06JUL07				▲▼ Procure Timing diode + oscilloscope		
IJ15060020	Procure Spiricon camera	30	07JUN07	19JUL07				▲▼ Procure Spiricon camera		
IJ15060025	Procure Molectron power meter	30	07JUN07	19JUL07				▲▼ Procure Molectron power meter		
IJ15060045	Fabricate Supports	25	31JUL07	04SEP07				▲▼ Fabricate Supports		
IJ15060047	AVAIL: Supports for Install	0		04SEP07				◆ AVAIL: Supports for Install		
IJ15060049	REQD: Photon beam diagnostics Installed	0		25SEP07				◆ REQD: Photon beam diagnostics Installed		
IJ15060050	Install and test Photon beam diagnostics	21	26SEP07	24OCT07				▲▼ Install and test Photon beam diagnostic		
IJ15060055	COMP: Photon Beam diagnostics	0		24OCT07				◆ COMP: Photon Beam diagnostics		

1.02.04 Injector RF Subsystem

IJ13	INJECTOR RF SUMMARY	908	01FEB05	15OCT08
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1.02.04.01 RF Gun & Load Lock

IJ04050115	Prep Bid Pak - Solenoid Magnet Assembly	42*	01FEB05*	31MAR05
IJ04060020	Design Solenoid Supports	74*	01FEB05*	16MAY05
IJ0406	GUN SOLENOID SUPPORTS SUMMARY	157	01FEB05	13SEP05
IJ0405	GUN SOLENOID SUMMARY	285	01FEB05	31MAR06
IJ04	RF GUN, LOAD LOCK & SUPPORTS SUMMARY	908	01FEB05	15OCT08
IJ04020000	Define RF Gun Support Requirements	10	01MAR05*	14MAR05
IJ0402	RF GUN SUPPORT SUMMARY	190	01MAR05	28NOV05
IJ04020010	COMP: RF Gun Requirements Support Definitions	0		14MAR05
IJ04020100	Design RF Gun Support	100	15MAR05	03AUG05
IJ401_1010	Mechanical Design RF Gun	100	15MAR05*	03AUG05
IJ0401	RF GUN SUMMARY	278	15MAR05	02MAY06
IJ04070026	Prep Bid Pak - Isolator	10	01APR05*	14APR05
IJ04050120	RELEASE RFP: Solenoid Magnet Assembly	20	01APR05	28APR05
IJ0407	GUN RF FEED SUMMARY	161	01APR05	16NOV05
IJ04070027	RELEASE: RFP - Isolator	3	15APR05	19APR05
IJ04070028	Vendors Prep Prop- Isolator	10	20APR05	03MAY05
IJ04050125	Vendor Prep Proposals - Solenoid Magnet Assembly	90	29APR05	06SEP05
IJ401_1020	COMP: RF Features Incorporated into Design	0		02MAY05
IJ04070029	RCV: Vendor Prop- Isolator	0		03MAY05
IJ401_1040	Design/Draft RF Gun	77*	03MAY05	19AUG05
IJ04070031	Eval Vendor Prop- Isolator	5	04MAY05	10MAY05
IJ04060030	COMP: Gun Solenoid Support Design	0		16MAY05
IJ04070035	Procure Splitter Material	60	16MAY05	09AUG05
IJ04070030	Vendor Fab & Assy - 1 Isolator	90	16MAY05	21SEP05



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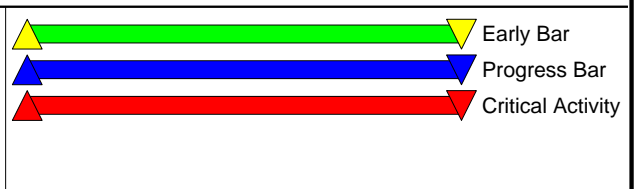


Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ04060035	Prep Bid Pak - Solenoid Supports	22	17MAY05	16JUN05		▲▼	Prep Bid Pak - Solenoid Supports				
IJ04080010	Design Gun RF Feed Supports	35	14JUN05*	02AUG05		▲▼	Design Gun RF Feed Supports				
IJ0408	GUN RF FEED SUPPORTS SUMMARY	105	14JUN05	09NOV05		▲▼	GUN RF FEED SUPPORTS SUMMARY				
IJ04060040	RELEASE RFP: Solenoid Supports	3	17JUN05	21JUN05		▲▼	RELEASE RFP: Solenoid Supports				
IJ04060045	Vendor Prep Proposals - Solenoid Supports	10	22JUN05	06JUL05		▲▼	Vendor Prep Proposals - Solenoid Supports				
IJ04060050	RCV: Proposals - Solenoid Supports	0		06JUL05		◆	RCV: Proposals - Solenoid Supports				
IJ04060055	Evaluate Proposals - Solenoid Supports	5	07JUL05	13JUL05		▲▼	Evaluate Proposals - Solenoid Supports				
IJ04060065	Vendor Fab Solenoid Supports	40	19JUL05	13SEP05		▲▼	Vendor Fab Solenoid Supports				
IJ04080015	COMP: Gun RF Feed Supports Design	0		02AUG05		◆	COMP: Gun RF Feed Supports Design				
IJ04020105	COMP: RF Gun Supports Design	0		03AUG05		◆	COMP: RF Gun Supports Design				
IJ401_1030	COMP: RF Gun Mechanical Design Review	0		03AUG05		◆	COMP: RF Gun Mechanical Design Review				
IJ04080017	Procure Gun RF Feed Supports Materials	70	03AUG05	09NOV05		▲▼	Procure Gun RF Feed Supports Materials				
IJ04020107	Procure RF Gun Support	80	04AUG05	28NOV05		▲▼	Procure RF Gun Support				
IJ04070040	RCV: Splitter Material	0		09AUG05		◆	RCV: Splitter Material				
IJ04070045	Fab & Assemble Splitter Assembly	60	10AUG05	02NOV05		▲▼	Fab & Assemble Splitter Assembly				
IJ401_1050	Procure RF Gun Parts	75	22AUG05	07DEC05		▲▼	Procure RF Gun Parts				
IJ04050130	RCV: Proposals - Solenoid Magnet Assembly	0		06SEP05		◆	RCV: Proposals - Solenoid Magnet Assembly				
IJ04050135	Evaluate Proposals - Solenoid Magnet Assembly	10	07SEP05	20SEP05		▲▼	Evaluate Proposals - Solenoid Magnet Assembly				
IJ04060070	RCV: Solenoid Supports	0		13SEP05		◆	RCV: Solenoid Supports				
IJ04060080	AVAIL: Gun Solenoid Support Ready for Assy	0		13SEP05		◆	AVAIL: Gun Solenoid Support Ready for Assy				
IJ04050145	Vendor Fab Solenoid Magnet Assembly	100	26SEP05	03MAR06		▲▼	Vendor Fab Solenoid Magnet Assembly				
IJ04070055	Perform Lab Tests on Gun RF Feed Assembly	10	03NOV05	16NOV05		▲▼	Perform Lab Tests on Gun RF Feed Assembly				
IJ04080035	AVAIL: Gun RF Feed Supports Ready for Instl	0		09NOV05		◆	AVAIL: Gun RF Feed Supports Ready for Instl				
IJ04070060	AVAIL: Gun RF Feed Assy Ready for Install	0		16NOV05		◆	AVAIL: Gun RF Feed Assy Ready for Install				
IJ04020125	AVAIL: RF Gun Support Assy Ready for Install	0		28NOV05		◆	AVAIL: RF Gun Support Assy Ready for Install				
IJ401_1060	Fabricate RF Gun	80	08DEC05	04APR06		▲▼	Fabricate RF Gun				
IJ04050150	RCV: Solenoid Magnet Assembly	0		03MAR06		◆	RCV: Solenoid Magnet Assembly				
IJ04050160	Perform Lab Tests on Sol Magnet Assembly	20	06MAR06	31MAR06		▲▼	Perform Lab Tests on Sol Magnet Assembly				
IJ04050165	AVAIL: Gun Solenoid Ready for Assembly	0		31MAR06		◆	AVAIL: Gun Solenoid Ready for Assembly				
IJ401_1070	Cold Test RF Gun	5	05APR06	11APR06		▲▼	Cold Test RF Gun				
IJ401_1080	Bake RF Gun	10	12APR06	25APR06		▲▼	Bake RF Gun				
IJ401_1090	Post Bake Assembly	5	26APR06	02MAY06		▲▼	Post Bake Assembly				
IJ401_1100	AVAIL: RF Gun Assembly Ready for Install	0		02MAY06		◆	AVAIL: RF Gun Assembly Ready for Install				
IJ04030005	Define Load Lock Cathode Clamping Reqmts	10	01JUN06	14JUN06		▲▼	Define Load Lock Cathode Clamping Reqmts				
IJ04030010	Define Load Lock Cathode Transfer Reqmts	20	01JUN06*	28JUN06		▲▼	Define Load Lock Cathode Transfer Reqmts				
IJ0403	GUN LOAD LOCK SUMMARY	581	01JUN06	15OCT08		▲▼	GUN LOAD LOCK SUMMARY				
IJ04030015	COMP: Load Lock Requirements Definition	0		28JUN06		◆	COMP: Load Lock Requirements Definition				

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					2004	2005	2006	2007	2008	2009
IJ04030020	Design Cathode Clamping	40	29JUN06	24AUG06			▲▼ Design Cathode Clamping			
IJ04030025	Prototype - Cathode Clamping	40	25AUG06	20OCT06			▲▼ Prototype - Cathode Clamping			
IJ04030030	Evaluate - Cathode Clamping prototype	40	23OCT06	03JAN07			▲▼ Evaluate - Cathode Clamping prototype			
IJ04030035	Design Cathode Transfer	60	04JAN07	30MAR07			▲▼ Design Cathode Transfer			
IJ04030040	Design Cathode Tuner	60	02APR07	25JUN07			▲▼ Design Cathode Tuner			
IJ04040100	Define Load Lock Support Requirements	10	26JUN07	10JUL07			▲▼ Define Load Lock Support Requirements			
IJ04030045	Design Load Lock Transporter	120	26JUN07	14DEC07			▲▼ Design Load Lock Transporter			
IJ04030050	Design Load Lock	142	26JUN07	01FEB08			▲▼ Design Load Lock			
IJ0404	GUN LOAD LOCK SUPPORT SUMMARY	256	26JUN07	15JUL08			GUN LOAD LOCK SUPPORT SUMMARY ▲▼			
IJ04040105	COMP: Load Lock Support Requirements Definition	0		10JUL07			COMP: Load Lock Support Requirements Definitio◆			
IJ04040110	Design Load Lock Support	120	11JUL07	15JAN08			▲▼ Design Load Lock Support			
IJ04040115	COMP: Load Lock Support Design	0		15JAN08			COMP: Load Lock Support Design◆			
IJ04040120	Prep Bid Pak - Load Lock Support	20	16JAN08	13FEB08			Prep Bid Pak - Load Lock Support▲▼			
IJ04030055	COMP: Load Lock Design	0		01FEB08			COMP: Load Lock Design◆			
IJ04030060	Prep Bid Pak - Load Lock Cathode	10	04FEB08	15FEB08			Prep Bid Pak - Load Lock Cathode▲▼			
IJ04040122	RELEASE RFP: Load Lock Support	3	14FEB08	19FEB08			RELEASE RFP: Load Lock Support▲▼			
IJ04030065	RELEASE RFP: Load Lock Cathode	14	19FEB08	07MAR08			RELEASE RFP: Load Lock Cathode▲▼			
IJ04040125	Vendors Prep Proposals - Load Lock Support	10	20FEB08	04MAR08			Vendors Prep Proposals - Load Lock Support▲▼			
IJ04040130	RCV: Vendor Proposals -Load Lock Support	0		04MAR08			RCV: Vendor Proposals -Load Lock Support◆			
IJ04040140	Evaluate Proposals - Load Lock Support	10	05MAR08	18MAR08			Evaluate Proposals - Load Lock Support▲▼			
IJ04030070	Vendors Prep Proposals - Load Lock Cathode	20	10MAR08	04APR08			Vendors Prep Proposals - Load Lock Cathode▲▼			
IJ04040150	Vendor Fab Load Lock Support	80	24MAR08	15JUL08			Vendor Fab Load Lock Support▲▼			
IJ04030075	RCV: Vendor Proposals -Load Lock Cathode	0		04APR08			RCV: Vendor Proposals -Load Lock Cathode◆			
IJ04030085	Evaluate Proposals - Load Lock Cathode	14	07APR08	24APR08			Evaluate Proposals - Load Lock Cathode▲▼			
IJ04030095	Vendor Fab Load Lock Cathode	120	28APR08	15OCT08			Vendor Fab Load Lock Cathode▲▼			
IJ04040155	RCV:Load Lock Support (tested&passed at vendor)	0		15JUL08			RCV:Load Lock Support (tested&passed at vendo◆			
IJ04040160	AVAIL: Load Lock Support Assy Ready for Instl	0		15JUL08			AVAIL: Load Lock Support Assy Ready for Ins◆			
IJ04030100	RCV:Load Lock Cathode (tested&passed at vendor)	0		15OCT08			RCV:Load Lock Cathode (tested&passed at vendo◆			
IJ04030105	AVAIL: Gun Load Lock Assembly Ready for Install	0		15OCT08			AVAIL: Gun Load Lock Assembly Ready for Insta◆			
1.02.04.02 Cathode Processing (CP) Station										
IJ14050000	Define CP Lab Infrastructure Requirements	2	01JUN06	02JUN06			▲▼ Define CP Lab Infrastructure Requirements			
IJ14020000	Define Cathode Clamping Requirements	3	01JUN06	05JUN06			▲▼ Define Cathode Clamping Requirements			
IJ14040000	Define Cathode Processing Requirements	10	01JUN06	14JUN06			▲▼ Define Cathode Processing Requirements			
IJ1405	CP LAB INFRASTRUCTURE SUMMARY	65	01JUN06	31AUG06			▲▼ CP LAB INFRASTRUCTURE SUMMARY			
IJ1402	CP LOAD LOCK SUMMARY	201	01JUN06	02APR07			▲▼ CP LOAD LOCK SUMMARY			
IJ14	CATHODE PROCESSING (CP) STATION SUMMARY	296	01JUN06	15AUG07			▲▼ CATHODE PROCESSING (CP) STATION SUMMARY			
IJ1404	CATHODE PROCESSING STATION SUMMARY	296	01JUN06	15AUG07			▲▼ CATHODE PROCESSING STATION SUMMARY			

COMP: Load Lock Support Requirements Definitio◆

COMP: Load Lock Support Design◆

Prep Bid Pak - Load Lock Support▲▼

COMP: Load Lock Design◆

Prep Bid Pak - Load Lock Cathode▲▼

RELEASE RFP: Load Lock Support▲▼

RELEASE RFP: Load Lock Cathode▲▼

Vendors Prep Proposals - Load Lock Support▲▼

RCV: Vendor Proposals -Load Lock Support◆

Evaluate Proposals - Load Lock Support▲▼

Vendors Prep Proposals - Load Lock Cathode▲▼

Vendor Fab Load Lock Support▲▼

RCV: Vendor Proposals -Load Lock Cathode◆

Evaluate Proposals - Load Lock Cathode▲▼

Vendor Fab Load Lock Cathode▲▼

RCV:Load Lock Support (tested&passed at vendo◆

AVAIL: Load Lock Support Assy Ready for Ins◆

RCV:Load Lock Cathode (tested&passed at vendo◆

AVAIL: Gun Load Lock Assembly Ready for Insta◆

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					2004	2005	2006	2007	2008	2009	
IJ14050010	COMP: CP Lab Infrastructure Requirements	0		02JUN06							◆COMP: CP Lab Infrastructure Requirements
IJ14050020	Develop CP Lab Infrastructure Design	2	05JUN06	06JUN06							⚠Develop CP Lab Infrastructure Design
IJ14050030	COMP: CP Lab Infrastructure Design	0		06JUN06							◆COMP: CP Lab Infrastructure Design
IJ14020010	Define Cathode Transfer Requirements	5	06JUN06	12JUN06							⚠Define Cathode Transfer Requirements
IJ14050040	Procure CP Lab Infrastructure Materials	60	07JUN06	30AUG06							⚠Procure CP Lab Infrastructure Materials
IJ14020020	COMP: CP Load Lock Requirements	0		12JUN06							◆COMP: CP Load Lock Requirements
IJ14020030	Develop CP Load Lock Design	24	13JUN06	17JUL06							⚠Develop CP Load Lock Design
IJ14040010	Define Cathode Transfer Requirements	5	15JUN06	21JUN06							⚠Define Cathode Transfer Requirements
IJ14040020	COMP: CP Station Requirements	0		21JUN06							◆COMP: CP Station Requirements
IJ14040030	Develop CP Station Chamber Design	90	22JUN06	27OCT06							⚠Develop CP Station Chamber Design
IJ14020040	COMP: CP Load Lock Design	0		17JUL06							◆COMP: CP Load Lock Design
IJ14020041	Prep Bid Pak - CP Load Lock Materials	10	18JUL06	31JUL06							⚠Prep Bid Pak - CP Load Lock Materials
IJ14020042	RELEASE: RFP - CP Load Lock Materials	0		31JUL06							◆RELEASE: RFP - CP Load Lock Materials
IJ14020043	Vendors Prep Prop- CP Load Lock Materials	10	01AUG06	14AUG06							⚠Vendors Prep Prop- CP Load Lock Materials
IJ14020044	RCV: Vendor Prop- CP Load Lock Materials	0		14AUG06							◆RCV: Vendor Prop- CP Load Lock Materials
IJ14050050	Assemble CP Lab Infrastructure	1	31AUG06	31AUG06							⚠Assemble CP Lab Infrastructure
IJ14050060	AVAIL: CP Lab Infrastructure Ready for Install	0		31AUG06							◆AVAIL: CP Lab Infrastructure Ready for Install
IJ14010000	Define CP Cathode Assembly Requirements	2	02OCT06*	03OCT06							⚠Define CP Cathode Assembly Requirements
IJ14030000	Define Load Lock Supports Requirements	3	02OCT06*	04OCT06							⚠Define Load Lock Supports Requirements
IJ14020045	Eval Vendor Prop- CP Load Lock Materials	5	02OCT06	06OCT06							⚠Eval Vendor Prop- CP Load Lock Materials
IJ1403	CP LOAD LOCK SUPPORT SUMMARY	49	02OCT06	11DEC06							⚠CP LOAD LOCK SUPPORT SUMMARY
IJ1401	CP CATHODE ASSEMBLY & SUPPORTS SUMMARY	113	02OCT06	28MAR07							⚠CP CATHODE ASSEMBLY & SUPPORTS SUM
IJ14010010	COMP: CP Cathode Assembly Requirements	0		03OCT06							◆COMP: CP Cathode Assembly Requirements
IJ14030010	COMP: CP Load Lock Support Requirements	0		04OCT06							◆COMP: CP Load Lock Support Requirements
IJ14010020	Develop CP Cathode Assembly Design	10	04OCT06	17OCT06							⚠Develop CP Cathode Assembly Design
IJ14030020	Develop CP Load Lock Support Design	11	05OCT06	19OCT06							⚠Develop CP Load Lock Support Design
IJ14020050	Vendor Fab CP Load Lock Materials	60	10OCT06	19JAN07							⚠Vendor Fab CP Load Lock Materials
IJ14010030	Develop CP Cathode Support Design	11	18OCT06	01NOV06							⚠Develop CP Cathode Support Design
IJ14030030	COMP: CP Load Lock Support Design	0		19OCT06							◆COMP: CP Load Lock Support Design
IJ14030040	Procure CP Load Lock Support Materials	15	20OCT06	09NOV06							⚠Procure CP Load Lock Support Materials
IJ14040040	Develop CP Station Support Design	20	30OCT06	28NOV06							⚠Develop CP Station Support Design
IJ14010040	COMP: CP Cathode Assembly Design	0		01NOV06							◆COMP: CP Cathode Assembly Design
IJ14010050	Procure CP Cathode Materials	60	02NOV06	13FEB07							⚠Procure CP Cathode Materials
IJ14030050	Fab & Assemble CP Load Lock Support	20	10NOV06	11DEC06							⚠Fab & Assemble CP Load Lock Support
IJ14040050	COMP: CP Station Design	0		28NOV06							◆COMP: CP Station Design
IJ14040051	Prep Bid Pak - CP Station Chamber Materials	10	29NOV06	12DEC06							⚠Prep Bid Pak - CP Station Chamber Materials
IJ14030060	AVAIL: CP Load Lock Supports Ready for Install	0		11DEC06							◆AVAIL: CP Load Lock Supports Ready for Install

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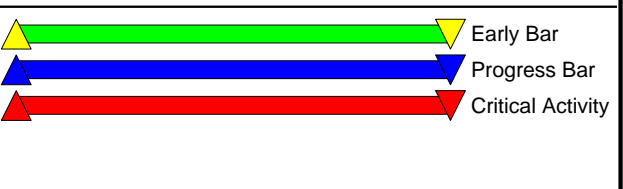
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ14040052	RELEASE: RFP - CP Station Chamber Materials	0		12DEC06				◆	RELEASE: RFP - CP Station Chamber Materials		
IJ14040053	Vendors Prep Prop- CP Station Chamber Materials	10	13DEC06	10JAN07				▲▼	Vendors Prep Prop- CP Station Chamber Materials		
IJ14040054	RCV: Vendor Prop- CP Station Chamber Materials	0		10JAN07				◆	RCV: Vendor Prop- CP Station Chamber Materials		
IJ14040055	Eval Vendor Prop- CP Station Chamber Materials	5	11JAN07	18JAN07				▲▼	Eval Vendor Prop- CP Station Chamber Materials		
IJ14020060	Fab & Assemble CP Load Lock	50	22JAN07	02APR07				▲▼	Fab & Assemble CP Load Lock		
IJ14040060	Vendor Fab CP Station Chamber Materials	60	22JAN07	16APR07				▲▼	Vendor Fab CP Station Chamber Materials		
IJ14010060	Procure CP Cathode Support Materials	15	14FEB07	07MAR07				▲▼	Procure CP Cathode Support Materials		
IJ14010070	Fab & Assemble CP Cathode Assembly	10	08MAR07	21MAR07				▲▼	Fab & Assemble CP Cathode Assembly		
IJ14010080	Fab & Assemble CP Cathode Support Assembly	5	22MAR07	28MAR07				▲▼	Fab & Assemble CP Cathode Support Assembly		
IJ14010090	AVAIL: CP Cathode Assembly Ready to Install	0		28MAR07				◆	AVAIL: CP Cathode Assembly Ready to Install		
IJ14020070	AVAIL: CP Load Lock Ready for Install	0		02APR07				◆	AVAIL: CP Load Lock Ready for Install		
IJ14040070	Procure CP Station Support Materials	15	17APR07	07MAY07				▲▼	Procure CP Station Support Materials		
IJ14040080	Fab & Assemble Chamber Assembly	50	08MAY07	18JUL07				▲▼	Fab & Assemble Chamber Assembly		
IJ14040090	Fab & Assemble Supports	20	19JUL07	15AUG07				▲▼	Fab & Assemble Supports		
IJ14040100	AVAIL: CP Station Ready for Install	0		15AUG07				◆	AVAIL: CP Station Ready for Install		
1.02.04.03 S-Band Low Level Timing											
IJ13010015	Develop S-Band LL Controls Timing Design	19*	01FEB05*	28FEB05				▲▼	Develop S-Band LL Controls Timing Design		
IJ13010314	Design Solid State Sub Booster	155*	01FEB05*	09SEP05				▲▼	Design Solid State Sub Booster		
IJ13010020	Develop Documentation	180*	01FEB05*	14OCT05				▲▼	Develop Documentation		
IJ13010025	Create Layouts	180*	01FEB05*	14OCT05				▲▼	Create Layouts		
IJ13010528	RF Feedback Measurements/Algorithm Development	220	01FEB05	13DEC05				▲▼	RF Feedback Measurements/Algorithm Development		
IJ130101	S-BAND LL CONTROLS TIMING SYSTEM SUMMARY	421	01FEB05	12OCT06				▲▼	S-BAND LL CONTROLS TIMING SYSTEM SUMMARY		
IJ130105	RF SYSTEM S/W DEVELOPMENT/DOCUMENTATION	452	01FEB05	28NOV06				▲▼	RF SYSTEM S/W DEVELOPMENT/DOCUMENTATION		
IJ130103	LLRF MONITOR & CONTROL SYSTEM SUMMARY	478	01FEB05	19JAN07				▲▼	LLRF MONITOR & CONTROL SYSTEM SUMMARY		
IJ13010348	Procure Monitor Scope SCP	20	15FEB05*	15MAR05				▲▼	Procure Monitor Scope SCP		
IJ13010350	Procure Dual Power Meter SCP	20	15FEB05*	15MAR05				▲▼	Procure Dual Power Meter SCP		
IJ13010400	Define Beamline Component	34*	01MAR05*	15APR05				▲▼	Define Beamline Component		
IJ13010370	Fab SS Subbooster Amplifier	100	01MAR05*	20JUL05				▲▼	Fab SS Subbooster Amplifier		
IJ130104	BEAM PHASE MONITOR CAVITY SUMMARY	308	01MAR05	31MAY06				▲▼	BEAM PHASE MONITOR CAVITY SUMMARY		
IJ13010030	Prepare for PDR	2	15MAR05*	16MAR05				▲▼	Prepare for PDR		
IJ13010300	Define Control Interface	120	15MAR05*	31AUG05				▲▼	Define Control Interface		
IJ13010035	Conduct PDR	1	17MAR05*	17MAR05				▲▼	Conduct PDR		
IJ13010104	Countdown Chassis	25	17MAR05	20APR05				▲▼	Countdown Chassis		
IJ13010110	Design Fiducial Chassis	30	17MAR05	27APR05				▲▼	Design Fiducial Chassis		
IJ13010106	MTG Modifications	120	17MAR05	02SEP05				▲▼	MTG Modifications		
IJ13010108	Design & Prototype Master Amplifier	30	14APR05	25MAY05				▲▼	Design & Prototype Master Amplifier		
IJ13010402	COMP: Beamline Component Definition	0		15APR05				◆	COMP: Beamline Component Definition		

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					2004	2005	2006	2007	2008	2009	
IJ13010408	Develop Documentation	120	18APR05	05OCT05			Develop Documentation				
IJ13010410	Create Layouts	120	18APR05	05OCT05			Create Layouts				
IJ13010200	System Design	91*	02MAY05*	08SEP05			System Design				
IJ130102	LLRF PHASE REFERENCE SYSTEM SUMMARY	358	02MAY05	12OCT06			LLRF PHASE REFERENCE SYSTEM SUMMARY				
IJ13010312	Design Modulator Refurbishment	100	10MAY05	29SEP05			Design Modulator Refurbishment				
IJ13010311	Design & Prototype DAC & SAM Breakout	100	13MAY05	04OCT05			Design & Prototype DAC & SAM Breakout				
IJ13010318	Design & Prototype Optical Interface	100	13MAY05	04OCT05			Design & Prototype Optical Interface				
IJ13010219	Design & Prototype LCLS Oscillator	146*	31MAY05	10JAN06			Design & Prototype LCLS Oscillator				
IJ13010310	Design & Prototype S-Band Phase Measurement	75	20JUN05	04OCT05			Design & Prototype S-Band Phase Measurement				
IJ13010307	Prepare for PDR	2	01SEP05	02SEP05			Prepare for PDR				
IJ13010302	Develop Documentation	250	01SEP05	12SEP06			Develop Documentation				
IJ13010305	Create Layouts	250	01SEP05	12SEP06			Create Layouts				
IJ13010120	Generate Procurement Plan	1	06SEP05	06SEP05			Generate Procurement Plan				
IJ13010308	Conduct PDR	1	06SEP05	06SEP05			Conduct PDR				
IJ13010122	Create Test Plan	5	07SEP05	13SEP05			Create Test Plan				
IJ13010215	Prepare for PDR	2	09SEP05	12SEP05			Prepare for PDR				
IJ13010205	Develop Documentation	225	09SEP05	14AUG06			Develop Documentation				
IJ13010210	Create Layouts	225	09SEP05	14AUG06			Create Layouts				
IJ13010217	Conduct PDR	1	13SEP05	13SEP05			Conduct PDR				
IJ13010124	Establish Subordinate W.O.'s	1	14SEP05	14SEP05			Establish Subordinate W.O.'s				
IJ13010225	Design & Prototype Multiplier Chassis	10	14SEP05	27SEP05			Design & Prototype Multiplier Chassis				
IJ13010220	Design RF Distribution L0, L1	12	14SEP05	29SEP05			Design RF Distribution L0, L1				
IJ13010222	Design Distribution Amplifier Chassis	32	14SEP05	27OCT05			Design Distribution Amplifier Chassis				
IJ13010223	Design & Prototype Laser Timing Stability	90	14SEP05	06FEB06			Design & Prototype Laser Timing Stability				
IJ13010126	Prepare for FDR	2	15SEP05	16SEP05			Prepare for FDR				
IJ13010128	Conduct FDR	1	19SEP05	19SEP05			Conduct FDR				
IJ13010130	COMP: S-Band LL Design - Release for Fab	0		19SEP05			COMP: S-Band LL Design - Release for Fab				
IJ13010136	Countdown Chassis	20	20SEP05	17OCT05			Countdown Chassis				
IJ13010140	MTG Modifications Fab	20	20SEP05	17OCT05			MTG Modifications Fab				
IJ13010146	Fab Master Amplifier	60	20SEP05	14DEC05			Fab Master Amplifier				
IJ13010330	Generate Procurement Plan	1	05OCT05	05OCT05			Generate Procurement Plan				
IJ13010412	Prepare for PDR	2	06OCT05	07OCT05			Prepare for PDR				
IJ13010332	Create Test Plan	5	06OCT05	12OCT05			Create Test Plan				
IJ13010414	Conduct PDR	1	10OCT05	10OCT05			Conduct PDR				
IJ13010416	Generate Procurement Plan	1	11OCT05	11OCT05			Generate Procurement Plan				
IJ13010418	Create Test Plan	5	12OCT05	18OCT05			Create Test Plan				
IJ13010334	Establish Subordinate W.O.'s	1	13OCT05	13OCT05			Establish Subordinate W.O.'s				

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ13010336	Prepare for FDR	2	14OCT05	17OCT05			⚠ Prepare for FDR				
IJ13010338	Conduct FDR	1	18OCT05	18OCT05			⚠ Conduct FDR				
IJ13010340	COMP: Design - Release for Fab	0		18OCT05			◆ COMP: Design - Release for Fab				
IJ13010144	MTG Modifications Test	10	18OCT05	31OCT05			⚠ MTG Modifications Test				
IJ13010420	Establish Subordinate W.O.'s	1	19OCT05	19OCT05			⚠ Establish Subordinate W.O.'s				
IJ13010339	Prep Bid Pak - Modulator Thyatron Parts	10	19OCT05	01NOV05			⚠ Prep Bid Pak - Modulator Thyatron Parts				
IJ13010344	Procure SS Subbooster Amplitude Control	20	19OCT05	15NOV05			⚠ Procure SS Subbooster Amplitude Control				
IJ13010352	Procure Bunch Length Monitor Electronics	20	19OCT05	15NOV05			⚠ Procure Bunch Length Monitor Electronics				
IJ13010502	Develop Specification	20	19OCT05	15NOV05			⚠ Develop Specification				
IJ13010374	Modify IPA Chassis	60	19OCT05	30JAN06			⚠ Modify IPA Chassis				
IJ13010422	Prepare for FDR	2	20OCT05	21OCT05			⚠ Prepare for FDR				
IJ13010424	Conduct FDR	1	24OCT05	24OCT05			⚠ Conduct FDR				
IJ13010426	COMP: Design - Release for Fab	0		24OCT05			◆ COMP: Design - Release for Fab				
IJ13010430	Fab Beam Line Components	60	25OCT05	03FEB06			⚠ Fab Beam Line Components				
IJ13010441	Fabricate Beam Phase Monitor System	120	25OCT05	01MAY06			⚠ Fabricate Beam Phase Monitor System				
IJ13010341	RELEASE: RFP - Modulator Thyatron Parts	0		01NOV05			◆ RELEASE: RFP - Modulator Thyatron Parts				
IJ13010343	Vendors Prep Prop- Modulator Thyatron Parts	10	02NOV05	15NOV05			⚠ Vendors Prep Prop- Modulator Thyatron Parts				
IJ13010345	RCV: Vendor Prop- Modulator Thyatron Parts	0		15NOV05			◆ RCV: Vendor Prop- Modulator Thyatron Parts				
IJ13010504	Specification Complete	0		15NOV05			◆ Specification Complete				
IJ13010510	Prepare for PDR	2	16NOV05	17NOV05			⚠ Prepare for PDR				
IJ13010346	Eval Vendor Prop- Modulator Thyatron Parts	5	16NOV05	22NOV05			⚠ Eval Vendor Prop- Modulator Thyatron Parts				
IJ13010506	Create Layouts	250	16NOV05	28NOV06			⚠ Create Layouts				
IJ13010512	Conduct PDR	1	18NOV05	18NOV05			⚠ Conduct PDR				
IJ13010516	Create Test Plan	5	21NOV05	29NOV05			⚠ Create Test Plan				
IJ13010342	Vendor Fab Modulator Thyatron Parts	70	28NOV05	22MAR06			⚠ Vendor Fab Modulator Thyatron Parts				
IJ13010522	Conduct FDR	1	30NOV05	30NOV05			⚠ Conduct FDR				
IJ13010524	COMP: Design - Release for Fab	0		30NOV05			◆ COMP: Design - Release for Fab				
IJ13010387	REQD: Beneficial Occupancy of RF Hut	0		07DEC05			◆ REQD: Beneficial Occupancy of RF Hut				
IJ13010152	System Tests	100	15DEC05	22MAY06			⚠ System Tests				
IJ13010390	Recable RF	40	31JAN06	28MAR06			⚠ Recable RF				
IJ13010372	Integration SS Subbooster Amplifier	60	31JAN06	25APR06			⚠ Integration SS Subbooster Amplifier				
IJ13010436	Cold Test Components	5	06FEB06	10FEB06			⚠ Cold Test Components				
IJ13010228	Generate Procurement Plan	1	07FEB06	07FEB06			⚠ Generate Procurement Plan				
IJ13010230	Create Test Plan	5	08FEB06	14FEB06			⚠ Create Test Plan				
IJ13010438	Cold Test Complete	0	13FEB06	10FEB06			⚠ Cold Test Complete				
IJ13010439	Bake Beamline Components	10	13FEB06	27FEB06			⚠ Bake Beamline Components				
IJ13010232	Establish Subordinate W.O.'s	1	15FEB06	15FEB06			⚠ Establish Subordinate W.O.'s				

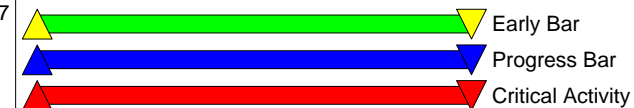
Start Date 01JUN01
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**LCLS
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Injector



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ13010234	Prepare for FDR	2	16FEB06	17FEB06			⚠ Prepare for FDR				
IJ13010236	Conduct FDR	1	21FEB06	21FEB06			⚠ Conduct FDR				
IJ13010238	COMP: Design - Release for Fab	0		21FEB06			◆ COMP: Design - Release for Fab				
IJ13010241	Prep Bid Pak - LCLS Oscillator (3)	10	22FEB06	07MAR06			⚠ Prep Bid Pak - LCLS Oscillator (3)				
IJ13010248	Fab Distribution Amplifier Chassis	60	22FEB06	16MAY06			▲▼ Fab Distribution Amplifier Chassis				
IJ13010256	Fab Laser Phase Timing Stability	60	22FEB06	16MAY06			▲▼ Fab Laser Phase Timing Stability				
IJ13010260	S-20 MDL Modifications	60	22FEB06	16MAY06			▲▼ S-20 MDL Modifications				
IJ13010264	Fab Multiplier Chassis	60	22FEB06	16MAY06			▲▼ Fab Multiplier Chassis				
IJ13010440	AVAIL: Beam Phase Mon. Cavity Ready for Install	0		27FEB06			◆ AVAIL: Beam Phase Mon. Cavity Ready for Install				
IJ13010243	RELEASE: RFP - LCLS Oscillator (3)	3	08MAR06	10MAR06			⚠ RELEASE: RFP - LCLS Oscillator (3)				
IJ13010244	Vendors Prep Prop- LCLS Oscillator (3)	10	13MAR06	24MAR06			⚠ Vendors Prep Prop- LCLS Oscillator (3)				
IJ13010354	RCV: Procured Hardware/Equipment	0		22MAR06			◆ RCV: Procured Hardware/Equipment				
IJ13010384	Monitor Scope SCP Interface	10	23MAR06	05APR06			⚠ Monitor Scope SCP Interface				
IJ13010382	Modulator Control Interface Cables	60	23MAR06	15JUN06			▲▼ Modulator Control Interface Cables				
IJ13010356	Fab S-Band Units (12)	100	23MAR06	11AUG06			▲▼ Fab S-Band Units (12)				
IJ13010360	Fab Dac Sam Breakout Units (6)	100	23MAR06	11AUG06			▲▼ Fab Dac Sam Breakout Units (6)				
IJ13010366	Refurbish Modulator	100	23MAR06	11AUG06			▲▼ Refurbish Modulator				
IJ13010246	RCV: Vendor Prop- LCLS Oscillator (3)	0		24MAR06			◆ RCV: Vendor Prop- LCLS Oscillator (3)				
IJ13010247	Eval Vendor Prop- LCLS Oscillator (3)	5	27MAR06	31MAR06			⚠ Eval Vendor Prop- LCLS Oscillator (3)				
IJ13010240	Vendor Fab LCLS Oscillator (3)	5	06APR06	12APR06			⚠ Vendor Fab LCLS Oscillator (3)				
IJ13010242	Fab LCLS Oscillator	60	13APR06	07JUL06			▲▼ Fab LCLS Oscillator				
IJ13010368	Klystron Change to Source Tube	100	20APR06	11SEP06			▲▼ Klystron Change to Source Tube				
IJ13010442	Install Modules	11	02MAY06	16MAY06			⚠ Install Modules				
IJ13010272	AVAIL: LLRF Phase Ref System Ready for Install	0		16MAY06			◆ AVAIL: LLRF Phase Ref System Ready for Install				
IJ13010274	Install Cable Guides	10	17MAY06	31MAY06			⚠ Install Cable Guides				
IJ13010448	Install Cables	10	17MAY06	31MAY06			⚠ Install Cables				
IJ13010276	Install Modules	20	17MAY06	14JUN06			⚠ Install Modules				
IJ13010154	AVAIL: RF Cntrls I/F & Timing Ready for Install	0		22MAY06			◆ AVAIL: RF Cntrls I/F & Timing Ready for Install				
IJ13010156	Install Modules	100	23MAY06	12OCT06			▲▼ Install Modules				
IJ13010452	AVAIL: Beam Phase Mon. System Ready for Comm.	0		31MAY06			◆ AVAIL: Beam Phase Mon. System Ready for Comm.				
IJ13010275	Install S-Band RF Cables (31)	25	10JUL06	11AUG06			⚠ Install S-Band RF Cables (31)				
IJ13010389	Install Cables	40	14AUG06	09OCT06			▲▼ Install Cables				
IJ13010388	AVAIL: LLRF Mon & Cntrl Ready for Installation	0		09OCT06			◆ AVAIL: LLRF Mon & Cntrl Ready for Installation				
IJ13010391	Install Modules	20	10OCT06	06NOV06			⚠ Install Modules				
IJ13010164	AVAIL: RF Cntrls I/F & Timing Ready for Comm	0		12OCT06			◆ AVAIL: RF Cntrls I/F & Timing Ready for Comm				
IJ13010284	AVAIL: LLRF Phase Ref System Ready for Comm	0		12OCT06			◆ AVAIL: LLRF Phase Ref System Ready for Comm				
IJ13010392	Install Mod Control Interace	40	07NOV06	19JAN07			▲▼ Install Mod Control Interace				

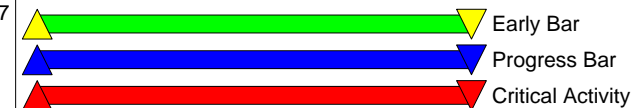


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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
IJ13010538	AVAIL: RF System S/W & Docs Ready for Comm.	0		28NOV06				◆ AVAIL: RF System S/W & Docs Ready for Comm.		
IJ13010394	AVAIL: LLRF Mon & Cntrl Ready for Commissioning	0		19JAN07	◆ AVAIL: LLRF Mon & Cntrl Ready for Commissioning					
1.02.04.05 Injector RF Waveguide Subsystem										
IJ12010100	Prep Bid Pak - Waveguide Components	11	01FEB05*	15FEB05		▲	Prep Bid Pak - Waveguide Components			
IJ12010005	Define RF Waveguide System Specs	21	01FEB05*	02MAR05		▲	Define RF Waveguide System Specs			
IJ12010010	Develop RF Waveguide System Engineering & Dsn	21	01FEB05	02MAR05		▲	Develop RF Waveguide System Engineering & Dsn			
IJ12010015	Develop Vacuum Components Engr & Design	76*	01FEB05*	18MAY05		▲	Develop Vacuum Components Engr & Design			
IJ12	INJECTOR RF WAVEGUIDE SUMMARY	276	01FEB05	20MAR06		▲	INJECTOR RF WAVEGUIDE SUMMARY			
IJ1201	INJECTOR RF WAVEGUIDE SUBSYSTEM SUMMARY	276	01FEB05	20MAR06		▲	INJECTOR RF WAVEGUIDE SUBSYSTEM SUMMARY			
IJ12010102	Prep Bid Pak - Waveguide Supports Components	10	16FEB05	02MAR05		▲	Prep Bid Pak - Waveguide Supports Components			
IJ12010105	RELEASE: RFP - Waveguide Components	14	16FEB05	08MAR05		▲	RELEASE: RFP - Waveguide Components			
IJ12010103	RELEASE: RFP - Waveguide Supports Components	14	03MAR05	22MAR05		▲	RELEASE: RFP - Waveguide Supports Components			
IJ12010110	Vendors Prep Proposals -Waveguide Components	10	09MAR05	22MAR05		▲	Vendors Prep Proposals -Waveguide Components			
IJ12010115	RCV: Vendor Proposals Waveguide Components	0		22MAR05		◆	RCV: Vendor Proposals Waveguide Components			
IJ12010104	Vendors Prep Proposals -Waveguide Supports Comp	10	23MAR05	05APR05		▲	Vendors Prep Proposals -Waveguide Supports Comp			
IJ12010120	Evaluate Vendor Proposals Waveguide Components	10	23MAR05	05APR05		▲	Evaluate Vendor Proposals Waveguide Components			
IJ12010106	RCV: Vendor Prop Waveguide Supt Components	0		05APR05		◆	RCV: Vendor Prop Waveguide Supt Components			
IJ12010107	Evaluate Vendor Prop Waveguide Supt Components	10	06APR05	19APR05		▲	Evaluate Vendor Prop Waveguide Supt Components			
IJ12010130	Vendor Vertical Drop Waveguide Comp Production	32	26APR05	09JUN05		▲	Vendor Vertical Drop Waveguide Comp Production			
IJ12010109	Vendor Waveguide Supt Components Production	105	10MAY05	06OCT05		▲	Vendor Waveguide Supt Components Production			
IJ12010020	COMP: Vacuum Components Design	0		18MAY05		◆	COMP: Vacuum Components Design			
IJ12010150	Prep Bid Pak - Vacuum Components	10	19MAY05	02JUN05		▲	Prep Bid Pak - Vacuum Components			
IJ451_0010	Purchase Coupler Material (9)	40	19MAY05	15JUL05		▲	Purchase Coupler Material (9)			
IJ12010155	RELEASE: RFP - Vacuum Components	10	03JUN05	16JUN05		▲	RELEASE: RFP - Vacuum Components			
IJ12010135	RCV: Vertical Drop Waveguide Components	0		09JUN05		◆	RCV: Vertical Drop Waveguide Components			
IJ12010131	Vendor Klystron Housing Waveguide Comp Prodctn	32	10JUN05	26JUL05		▲	Vendor Klystron Housing Waveguide Comp Prodctn			
IJ12010160	Vendors Prep Proposals -Vacuum Compo	5	17JUN05	23JUN05		▲	Vendors Prep Proposals -Vacuum Compo			
IJ12010165	RCV: Vendor Proposals Vacuum Compo	0		23JUN05		◆	RCV: Vendor Proposals Vacuum Compo			
IJ12010170	Evaluate Vendor Proposals Vacuum Components	5	24JUN05	30JUN05		▲	Evaluate Vendor Proposals Vacuum Components			
IJ12010180	Vertical Drop Vacuum Components Production	32	18JUL05	30AUG05		▲	Vertical Drop Vacuum Components Production			
IJ451_0020	Fabricate Coupler Spools (9)	40	18JUL05	12SEP05		▲	Fabricate Coupler Spools (9)			
IJ12010136	RCV: Klystron Housing Waveguide Components	0		26JUL05		◆	RCV: Klystron Housing Waveguide Components			
IJ12010132	Vendor Injectr Housing Waveguide Comp Production	32	27JUL05	09SEP05		▲	Vendor Injectr Housing Waveguide Comp Production			
IJ12010185	RCV: Vertical Drop Vacuum Components	0		30AUG05		◆	RCV: Vertical Drop Vacuum Components			
IJ12010200	Vertical Drop-Vac Process Waveguide & Vac Comp	21	31AUG05	29SEP05		▲	Vertical Drop-Vac Process Waveguide & Vac Comp			
IJ12010181	Klystron Housing Vacuum Components Production	32	31AUG05	14OCT05		▲	Klystron Housing Vacuum Components Production			
IJ12010137	RCV: Injector Housing Waveguide Components	0		09SEP05		◆	RCV: Injector Housing Waveguide Components			

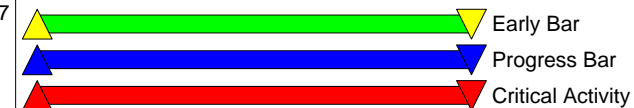


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Injector

Start Date 01JUN01
 Finish Date 31MAR09
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ12010133	Vendor Transverse Kicker Waveguide Comp Prodctn	32	12SEP05	25OCT05							Vendor Transverse Kicker Waveguide Comp Prodctn
IJ451_0030	Assemble Coupler Spools (9)	40	13SEP05	07NOV05							Assemble Coupler Spools (9)
IJ12010210	Conduct RF WG System Comp Testing-Vertical Drop	5	30SEP05	06OCT05							Conduct RF WG System Comp Testing-Vertical Drop
IJ12010111	RCV: Waveguide Supt Components from Vendor	0		06OCT05							RCV: Waveguide Supt Components from Vendor
IJ12010220	Integ RF WG System onto Supports-Vertical Drop	6	07OCT05	14OCT05							Integ RF WG System onto Supports-Vertical Drop
IJ12010186	RCV: Klystron Housing Vacuum Components	0		14OCT05							RCV: Klystron Housing Vacuum Components
IJ12010230	AVAIL: RF WG Subsystem Rdy for Ins-Vertical Drop	0		14OCT05							AVAIL: RF WG Subsystem Rdy for Ins-Vertical Drop
IJ12010201	Klys Housing-Vac Process Waveguide & Vac Comp	21	17OCT05	14NOV05							Klys Housing-Vac Process Waveguide & Vac Comp
IJ12010182	Injector Housing Vacuum Components Production	32	17OCT05	01DEC05							Injector Housing Vacuum Components Production
IJ12010138	RCV: Transverse Kicker Waveguide Components	0		25OCT05							RCV: Transverse Kicker Waveguide Components
IJ451_0040	AVAIL: Coupler Spool (9) Ready for Inj Housing	0		07NOV05							AVAIL: Coupler Spool (9) Ready for Inj Housing
IJ12010211	Conduct RF WG System Comp Testing-Klys Housing	5	15NOV05	21NOV05							Conduct RF WG System Comp Testing-Klys Housing
IJ12010221	Integ RF WG System onto Supports-Klys Housing	6	22NOV05	01DEC05							Integ RF WG System onto Supports-Klys Housing
IJ12010187	RCV: Injector Housing Vacuum Components	0		01DEC05							RCV: Injector Housing Vacuum Components
IJ12010231	AVAIL: RF WG Subsystem Rdy for Ins-Klys Housing	0		01DEC05							AVAIL: RF WG Subsystem Rdy for Ins-Klys Housing
IJ12010202	Inject Housing-Vac Process Waveguide & Vac Comp	21	02DEC05	17JAN06							Inject Housing-Vac Process Waveguide & Vac Comp
IJ12010183	Transverse Kicker Vacuum Components Production	32	02DEC05	01FEB06							Transverse Kicker Vacuum Components Production
IJ12010212	Conduct RF WG System Comp Testing-Inject Housing	5	18JAN06	24JAN06							Conduct RF WG System Comp Testing-Inject Housing
IJ12010222	Integ RF WG System onto Supports-Inject Housing	6	25JAN06	01FEB06							Integ RF WG System onto Supports-Inject Housing
IJ12010188	RCV: Transverse Kicker Vacuum Components	0		01FEB06							RCV: Transverse Kicker Vacuum Components
IJ12010232	AVAIL:RF WG Subsystem Rdy for Ins-Inject Housing	0		01FEB06							AVAIL:RF WG Subsystem Rdy for Ins-Inject Housing
IJ451_2010	Injection Area SLED Shielding	10	02FEB06	15FEB06							Injection Area SLED Shielding
IJ12010203	Transverse Kick-Vac Process Waveguide & Vac Comp	21	02FEB06	03MAR06							Transverse Kick-Vac Process Waveguide & Vac Comp
IJ12010213	Cond RF WG System Comp Testing-Transverse Kickr	5	06MAR06	10MAR06							Cond RF WG System Comp Testing-Transverse Kickr
IJ12010223	Integ RF WG System onto Supports-Transverse Kick	6	13MAR06	20MAR06							Integ RF WG System onto Supports-Transverse Kick
IJ12010233	AVAIL: RF WG Subsystem Rdy for Ins-Xverse Kickr	0		20MAR06							AVAIL: RF WG Subsystem Rdy for Ins-Xverse Kickr
1.02.04.06 Injector Linac Structures											
IJ461_0010	Develop LOA & B RF Engr/Design/Tuning Plan	41	01FEB05*	30MAR05							Develop LOA & B RF Engr/Design/Tuning Plan
IJ0601	L0-1 STRUCTURE ASSEMBLY SUMMARY	268	01FEB05	08MAR06							L0-1 STRUCTURE ASSEMBLY SUMMARY
IJ06	INJECTOR STRUCTURES SUMMARY	276	01FEB05	20MAR06							INJECTOR STRUCTURES SUMMARY
IJ08060025	Prep Bid Pak - RF Kicker	10	15FEB05*	01MAR05							Prep Bid Pak - RF Kicker
IJ0806	LTDL1 RF KICKER SUMMARY	266	15FEB05	20MAR06							LTDL1 RF KICKER SUMMARY
IJ08060030	RELEASE: RFP - RF Kicker	3	02MAR05	04MAR05							RELEASE: RFP - RF Kicker
IJ461_0020	Develop LOA & B Mech Engrg & Design / Waveguide	42	02MAR05	28APR05							Develop LOA & B Mech Engrg & Design / Waveguide
IJ461_0035	QC Structures for LOA &B	42	02MAR05	28APR05							QC Structures for LOA &B
IJ08060035	Vendors Prep Proposals - RF Kicker	10	07MAR05	18MAR05							Vendors Prep Proposals - RF Kicker
IJ08060040	RCV: Vendor Proposals - RF Kicker	0		18MAR05							RCV: Vendor Proposals - RF Kicker



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Start Date 01JUN01
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ08060045	Evaluate Vendor Proposals - RF Kicker	10	21MAR05	01APR05		▲ Evaluate Vendor Proposals - RF Kicker					
IJ08060055	Vendor RF Kicker Production (build to print)	125	07APR05	03OCT05		▲ Vendor RF Kicker Production (build to print)					
IJ08060075	Develop RF Kicker Support Structure Engr & Dsn	22	15APR05*	16MAY05		▲ Develop RF Kicker Support Structure Engr & Dsn					
IJ461_0030	COMP: L0A & B Mech Engr & Design / Waveguide	0		28APR05		◆ COMP: L0A & B Mech Engr & Design / Waveguide					
IJ461_0050	REQD: Existing L0A & B StructSections from SLAC	0		28APR05		◆ REQD: Existing L0A & B StructSections from SLAC					
IJ461_0040	Procure L0A & B Material	21	29APR05	27MAY05		▲ Procure L0A & B Material					
IJ06030010	Prep Bid Pak - Major Linac Supports	23	02MAY05*	02JUN05		▲ Prep Bid Pak - Major Linac Supports					
IJ0603	MAJOR LINAC SUPPORT SUMMARY	138	02MAY05	14NOV05		▲ MAJOR LINAC SUPPORT SUMMARY					
IJ08060080	COMP: RF Kicker Support Structure Engr & Dsn	0		16MAY05		◆ COMP: RF Kicker Support Structure Engr & Dsn					
IJ08060085	Procure Support Structure Materials	21	17MAY05	15JUN05		▲ Procure Support Structure Materials					
IJ461_0060	Fabricate and Modify L0A & B	60	31MAY05	23AUG05		▲ Fabricate and Modify L0A & B					
IJ06030015	RELEASE: RFP - Major Linac Supports	3	03JUN05	07JUN05		▲ RELEASE: RFP - Major Linac Supports					
IJ06030020	Vendors Prep Proposals - Major Linac Supports	15	08JUN05	28JUN05		▲ Vendors Prep Proposals - Major Linac Supports					
IJ08060090	Fab RF Kicker Support Structure	42	16JUN05	15AUG05		▲ Fab RF Kicker Support Structure					
IJ06030025	RCV: Vendor Proposal for Major Linac Supports	0		28JUN05		◆ RCV: Vendor Proposal for Major Linac Supports					
IJ06030030	Evaluate Vendor Proposals-Major Linac Supports	10	29JUN05	13JUL05		▲ Evaluate Vendor Proposals-Major Linac Supports					
IJ06030040	Vendor Fab, Assy & Test-Major Linac Supports	42	19JUL05	15SEP05		▲ Vendor Fab, Assy & Test-Major Linac Supports					
IJ461_0070	Integrate L0A & B onto Support Structure	21	24AUG05	22SEP05		▲ Integrate L0A & B onto Support Structure					
IJ06030045	RCV: Major Linac Supports from Vendor	0		15SEP05		◆ RCV: Major Linac Supports from Vendor					
IJ06030055	Fab & Mods Linac Supports	42	16SEP05	14NOV05		▲ Fab & Mods Linac Supports					
IJ461_0080	Perform L0A & B Vacuum Processing	20	23SEP05	20OCT05		▲ Perform L0A & B Vacuum Processing					
IJ461_0090	Perform L0A & B Waveguide Integration	21	23SEP05	21OCT05		▲ Perform L0A & B Waveguide Integration					
IJ08060060	RCV: RF Kicker from Vendor	0		03OCT05		◆ RCV: RF Kicker from Vendor					
IJ08060065	Vacuum Process Kicker	42	04OCT05	02DEC05		▲ Vacuum Process Kicker					
IJ461_0100	Prep for & Perform L0A & B RF tuning	21	24OCT05	21NOV05		▲ Prep for & Perform L0A & B RF tuning					
IJ06030060	AVAIL: Supts Ready for Integ with L0-1 & L0-2	0		14NOV05		◆ AVAIL: Supts Ready for Integ with L0-1 & L0-2					
IJ08060070	Conduct Test & RF Processing	42	05DEC05	16FEB06		▲ Conduct Test & RF Processing					
IJ461_0120	Conduct L0A & B RF Processing	42	06JAN06	08MAR06		▲ Conduct L0A & B RF Processing					
IJ08060095	Integrate RF Kicker onto Supports	21	17FEB06	20MAR06		▲ Integrate RF Kicker onto Supports					
IJ461_0065	REQD: L0-A Solenoid	0		08MAR06		◆ REQD: L0-A Solenoid					
IJ461_0130	AVAIL: L0A & B Structure Ready for Install	0		08MAR06		◆ AVAIL: L0A & B Structure Ready for Install					
IJ08060100	AVAIL: LTDL1 RF Kicker & Supts Ready for Instl	0		20MAR06		◆ AVAIL: LTDL1 RF Kicker & Supts Ready for Instl					
1.02.05 Injector Magnets & Supports											
IJ05	INJECTOR GTL SUMMARY	729	01OCT04	01OCT07		▲ INJECTOR GTL SUMMARY					
1.02.05.01 Injector Dipoles											
IJ501_1000	COMP: GS Dipole Design	0		30SEP04		◆ COMP: GS Dipole Design					
IJ050901	GS DIPOLE SUMMARY	361	01OCT04	04APR06		▲ GS DIPOLE SUMMARY					
Start Date	01JUN01				Sheet 27 of 47						
Finish Date	31MAR09				▲ Early Bar						
Data Date	01OCT04				▲ Progress Bar						
Run Date	29APR05 13:29				▲ Critical Activity						
LCLS INTEGRATED SCHEDULE											
Injector											
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ501_2020	Prep Bid Pak - DL1 Dipole Assembly and Suppt	30*	01FEB05*	15MAR05		▲▼ Prep Bid Pak - DL1 Dipole Assembly and Suppt					
IJ0901	DL1 B01 & B02 DIPOLES SUMMARY	203	01FEB05	16NOV05		▲▼ DL1 B01 & B02 DIPOLES SUMMARY					
IJ501_2030	RELEASE RFP: DL1 Dipole Assembly and Suppt	10	16MAR05	29MAR05		▲▼ RELEASE RFP: DL1 Dipole Assembly and Suppt					
IJ501_2040	Vendor Prep Proposals - DL1 Dipole Assm and Sppt	30	30MAR05	10MAY05		▲▼ Vendor Prep Proposals - DL1 Dipole Assm and Sppt					
IJ501_4020	Prep Bid Pak - Chicane Dipole Assembly and Suppt	53*	01APR05*	15JUN05		▲▼ Prep Bid Pak - Chicane Dipole Assembly and Suppt					
IJ501_1010	Prep Bid Pak - GS Dipole Assembly and Suppt	57*	01APR05*	21JUN05		▲▼ Prep Bid Pak - GS Dipole Assembly and Suppt					
IJ1504	CHICANE SUMMARY	211	01APR05	14FEB06		▲▼ CHICANE SUMMARY					
IJ501_3020	Prep Bid Pak - SAB Dipole Assembly and Suppt	32*	02MAY05*	15JUN05		▲▼ Prep Bid Pak - SAB Dipole Assembly and Suppt					
IJ1101	SAB SPECTROMETER DIPOLE SUMMARY	190	02MAY05	14FEB06		▲▼ SAB SPECTROMETER DIPOLE SUMMARY					
IJ501_2050	RCV: Proposals - DL1 Dipole Assm and Sppt	0	11MAY05	10MAY05		▲▼ RCV: Proposals - DL1 Dipole Assm and Sppt					
IJ501_2060	Evaluate Proposals DL1 Dipole Assm and Sppt	20	11MAY05	08JUN05		▲▼ Evaluate Proposals DL1 Dipole Assm and Sppt					
IJ501_2080	Vendor Fab DL1 Dipole Assm and Sppt	90	14JUN05	19OCT05		▲▼ Vendor Fab DL1 Dipole Assm and Sppt					
IJ501_3030	RELEASE RFP: SAB Dipole Assembly and Suppt	5	16JUN05	22JUN05		▲▼ RELEASE RFP: SAB Dipole Assembly and Suppt					
IJ501_4030	RELEASE RFP: Chicane Dipole Assembly and Suppt	5	16JUN05	22JUN05		▲▼ RELEASE RFP: Chicane Dipole Assembly and Suppt					
IJ501_1020	RELEASE RFP: GS Dipole Assembly and Suppt	5	22JUN05	28JUN05		▲▼ RELEASE RFP: GS Dipole Assembly and Suppt					
IJ501_3040	Vendor Prep Proposals - SAB Assm and Suppt	30	23JUN05	04AUG05		▲▼ Vendor Prep Proposals - SAB Assm and Suppt					
IJ501_4040	Vendor Prep Proposals - Chicane Assm and Suppt	30	23JUN05	04AUG05		▲▼ Vendor Prep Proposals - Chicane Assm and Suppt					
IJ501_1030	Vendor Prep Proposals - GS Dipole Assm and Suppt	30	29JUN05	10AUG05		▲▼ Vendor Prep Proposals - GS Dipole Assm and Suppt					
IJ501_3050	RCV: Proposals - SAB Assembly and Suppt	0	05AUG05	04AUG05		▲▼ RCV: Proposals - SAB Assembly and Suppt					
IJ501_4050	RCV: Proposals - Chicane Assembly and Suppt	0	05AUG05	04AUG05		▲▼ RCV: Proposals - Chicane Assembly and Suppt					
IJ501_3060	Evaluate Proposals SAB Assembly and Suppt	10	05AUG05	18AUG05		▲▼ Evaluate Proposals SAB Assembly and Suppt					
IJ501_4060	Evaluate Proposals -Chicane Assembly and Suppt	10	05AUG05	18AUG05		▲▼ Evaluate Proposals -Chicane Assembly and Suppt					
IJ501_1040	RCV: Proposals - GS Dipole Assembly and Suppt	0	11AUG05	10AUG05		▲▼ RCV: Proposals - GS Dipole Assembly and Suppt					
IJ501_1050	Evaluate Proposals -GS Dipole Assembly and Suppt	10	11AUG05	24AUG05		▲▼ Evaluate Proposals -GS Dipole Assembly and Suppt					
IJ501_3080	Vendor Fab SAB Dipole Assembly and Suppt	90	24AUG05	17JAN06		▲▼ Vendor Fab SAB Dipole Assembly and Suppt					
IJ501_4080	Vendor Fab Chicane Dipole Assembly and Suppt	90	24AUG05	17JAN06		▲▼ Vendor Fab Chicane Dipole Assembly and Suppt					
IJ501_1070	Vendor Fab GS Dipole Assembly and Suppt	120	30AUG05	07MAR06		▲▼ Vendor Fab GS Dipole Assembly and Suppt					
IJ501_2090	RCV: DL1 Dipole Assm and Sppt	0	20OCT05	19OCT05		▲▼ RCV: DL1 Dipole Assm and Sppt					
IJ501_3085	Review Vendor SAB Spectrometer Dipole Design	1	20OCT05	20OCT05		▲▼ Review Vendor SAB Spectrometer Dipole Design					
IJ501_4085	Review Vendor Chicane Dipole Design	1	20OCT05	20OCT05		▲▼ Review Vendor Chicane Dipole Design					
IJ501_2100	Perform QC/MM on DL1 Dipole Assm and Sppt	20	20OCT05	16NOV05		▲▼ Perform QC/MM on DL1 Dipole Assm and Sppt					
IJ501_1075	Review Vendor GS Dipole Design	5	26OCT05	01NOV05		▲▼ Review Vendor GS Dipole Design					
IJ501_2110	AVAIL: DL1 Dipole Assm and Sppt RFI	0		16NOV05		◆ AVAIL: DL1 Dipole Assm and Sppt RFI					
IJ501_3090	RCV: SAB Dipole Assembly and Suppt	0	18JAN06	17JAN06		▲▼ RCV: SAB Dipole Assembly and Suppt					
IJ501_4090	RCV: Chicane Dipole Assembly and Suppt	0	18JAN06	17JAN06		▲▼ RCV: Chicane Dipole Assembly and Suppt					
IJ501_3100	Perform QC/MM on SAB Dipole Assm & Suppt	20	18JAN06	14FEB06		▲▼ Perform QC/MM on SAB Dipole Assm & Suppt					
IJ501_4100	Perform QC/MM on Chicane Dipole Assm & Suppt	20	18JAN06	14FEB06		▲▼ Perform QC/MM on Chicane Dipole Assm & Suppt					

Start Date 01JUN01
Finish Date 31MAR09
Data Date 01OCT04
Run Date 29APR05 13:29

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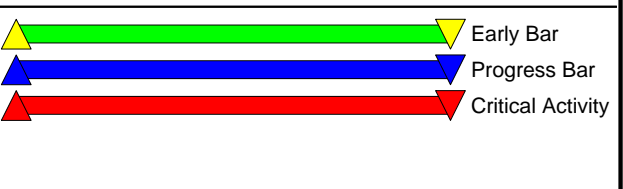


Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Year					
					2004	2005	2006	2007	2008	2009
IJ501_3110	AVAIL: SAB Dipole Assm and Suppt RFI	0		14FEB06			◆AVAIL: SAB Dipole Assm and Suppt RFI			
IJ501_4110	AVAIL: Chicane Dipole Assm and Suppt RFI	0		14FEB06			◆AVAIL: Chicane Dipole Assm and Suppt RFI			
IJ501_1080	RCV: GS Dipole Assembly and Suppt	0	08MAR06	07MAR06			⚠RCV: GS Dipole Assembly and Suppt			
IJ501_1090	Perform QC/MM on Dipole Assm & Suppt	20	08MAR06	04APR06			⚠Perform QC/MM on Dipole Assm & Suppt			
IJ501_1100	AVAIL: GS Dipole Assm and Suppt Ready for Inst	0		04APR06			◆AVAIL: GS Dipole Assm and Suppt Ready for Inst			
1.02.05.02 Injector Quads										
IJ0804	LTDL1 QUADRUPOLES SUMMARY (6ea)	1,090	01OCT04	31MAR09	█ LTDL1 QUADRUPOLES SUMMARY (6ea)					
IJ502_2010	Prep Bid Pak - Inj Quads Assy & Sppt	30*	01FEB05*	15MAR05	⚠Prep Bid Pak - Inj Quads Assy & Sppt					
IJ0701	L0-1TL0-2 QUADRUPOLES SUMMARY (2EA)	183	01FEB05	19OCT05	█ L0-1TL0-2 QUADRUPOLES SUMMARY (2EA)					
IJ502_2020	RELEASE RFP: Inj Quads Assy & Sppt	10	16MAR05	29MAR05	⚠RELEASE RFP: Inj Quads Assy & Sppt					
IJ502_2030	Vendor Prep Proposals - Inj Quads Assy & Sppt	30	30MAR05	10MAY05	⚠Vendor Prep Proposals - Inj Quads Assy & Sppt					
IJ502_1010	Prep Bid Pak - GS Quads Assy & Sppt	32*	02MAY05*	15JUN05	⚠Prep Bid Pak - GS Quads Assy & Sppt					
IJ050906	GS QUADS (3ea) SUMMARY	195	02MAY05	22FEB06	█ GS QUADS (3ea) SUMMARY					
IJ502_2040	RCV: Proposals - Inj Quads Assy & Sppt	0	11MAY05	10MAY05	⚠RCV: Proposals - Inj Quads Assy & Sppt					
IJ502_2050	Eval Proposals - Inj Quads Assy & Sppt	20	11MAY05	08JUN05	⚠Eval Proposals - Inj Quads Assy & Sppt					
IJ502_2070	Vendor Fab Inj Quads Assy & Sppt	80	14JUN05	05OCT05	⚠Vendor Fab Inj Quads Assy & Sppt					
IJ502_1020	RELEASE RFP: GS Quads Assy & Sppt	10	16JUN05	29JUN05	⚠RELEASE RFP: GS Quads Assy & Sppt					
IJ502_1030	Vendor Prep Proposals - GS Quads Assy & Sppt	30	30JUN05	11AUG05	⚠Vendor Prep Proposals - GS Quads Assy & Sppt					
IJ502_2075	Review Vendor Inj Quad	1	10AUG05	10AUG05	⚠Review Vendor Inj Quad					
IJ502_1040	RCV: Proposals - GS Quads Assy & Sppt	0	12AUG05	11AUG05	⚠RCV: Proposals - GS Quads Assy & Sppt					
IJ502_1050	Eval Proposals - GS Quads Assy & Sppt	10	12AUG05	25AUG05	⚠Eval Proposals - GS Quads Assy & Sppt					
IJ502_1070	Vendor Fab GS Quads Assy & Sppt	90	31AUG05	24JAN06	⚠Vendor Fab GS Quads Assy & Sppt					
IJ502_2080	RCV: Inj Quads Assy & Sppt	0	06OCT05	05OCT05	⚠RCV: Inj Quads Assy & Sppt					
IJ502_2090	Perform QC/MM on Inj Quads Assy & Sppt	10	06OCT05	19OCT05	⚠Perform QC/MM on Inj Quads Assy & Sppt					
IJ502_2100	AVAIL: Inj Quads Assy & Sppt RFI	0		19OCT05	◆AVAIL: Inj Quads Assy & Sppt RFI					
IJ502_1080	RCV: GS Quads Assy & Sppt	0	25JAN06	24JAN06	⚠RCV: GS Quads Assy & Sppt					
IJ502_1090	Perform QC/MM on GS Quads Assy & Sppt	20	25JAN06	22FEB06	⚠Perform QC/MM on GS Quads Assy & Sppt					
IJ502_1100	AVAIL: GS Quads Assy & Sppt RFI	0		22FEB06	◆AVAIL: GS Quads Assy & Sppt RFI					
1.02.05.03 Injector Steering Coils										
IJ503_2010	COMP: Gun Spectrometer Corrector Design	0		30SEP04	◆COMP: Gun Spectrometer Corrector Design					
IJ503_3010	COMP: Inj Corrector-A Design	0		30SEP04	◆COMP: Inj Corrector-A Design					
IJ503_4010	COMP: Inj Corrector-D Design	0		30SEP04	◆COMP: Inj Corrector-D Design					
IJ0807	LTDL1 LINAC STEERING COILS SUMMARY(2ea)X-Y	301	01OCT04	06JAN06	█ LTDL1 LINAC STEERING COILS SUMMARY(2ea)X-Y					
IJ0705	L0-1TL0-2 LINAC STEERING COILS SUM (4ea) X-Y	342	01OCT04	08MAR06	█ L0-1TL0-2 LINAC STEERING COILS SUM (4ea) X-Y					
IJ1002	DL1TL STEERING COILS SUMMARY(3eaX-Y Assys)	342	01OCT04	08MAR06	█ DL1TL STEERING COILS SUMMARY(3eaX-Y Assys)					
IJ503_3020	Prep Bid Pak - Inj Corrector-A Assy & Sppt	53*	01FEB05*	15APR05	⚠Prep Bid Pak - Inj Corrector-A Assy & Sppt					
IJ503_3030	RELEASE RFP: Inj Corrector-A Assy & Sppt	20	18APR05	13MAY05	⚠RELEASE RFP: Inj Corrector-A Assy & Sppt					

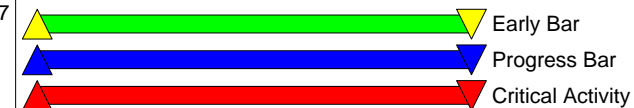
Start Date: 01JUN01
 Finish Date: 31MAR09
 Data Date: 01OCT04
 Run Date: 29APR05 13:29
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INTEGRATED SCHEDULE
Injector

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ503_1020	Prep Bid Pak - Gun Solenoid Corr Assy & Sppt	32*	02MAY05*	15JUN05			Prep Bid Pak - Gun Solenoid Corr Assy & Sppt				
IJ503_2020	Prep Bid Pak - Gun Spectrometer Corr Assy & Sppt	32*	02MAY05*	15JUN05			Prep Bid Pak - Gun Spectrometer Corr Assy & Sppt				
IJ503_4020	Prep Bid Pak - Inj Corrector-D Assy & Sppt	32*	02MAY05*	15JUN05			Prep Bid Pak - Inj Corrector-D Assy & Sppt				
IJ503_5020	Prep Bid Pak - GS Quad Corr Assy & Sppt	32*	02MAY05*	15JUN05			Prep Bid Pak - GS Quad Corr Assy & Sppt				
IJ1109	SAB STEERING COILS, (2ea) (SAB)	205	02MAY05	08MAR06			SAB STEERING COILS, (2ea) (SAB)				
IJ503_3040	Vendor Prep Proposals - Inj Corrector-A Assy & S	30	16MAY05	27JUN05			Vendor Prep Proposals - Inj Corrector-A Assy & S				
IJ503_1030	RELEASE RFP: Gun Solenoid Corr Assy & Sppt	20	16JUN05	14JUL05			RELEASE RFP: Gun Solenoid Corr Assy & Sppt				
IJ503_2030	RELEASE RFP: Gun Spectrometer Corr Assy & Sppt	20	16JUN05	14JUL05			RELEASE RFP: Gun Spectrometer Corr Assy & Sppt				
IJ503_4030	RELEASE RFP: Inj Corrector-D Assy & Sppt	20	16JUN05	14JUL05			RELEASE RFP: Inj Corrector-D Assy & Sppt				
IJ503_5030	RELEASE RFP: GS Quad Corr Assy & Sppt	20	16JUN05	14JUL05			RELEASE RFP: GS Quad Corr Assy & Sppt				
IJ503_3050	RCV: Proposals -Inj Corrector-A Assy & Sppt	0	28JUN05	27JUN05			RCV: Proposals -Inj Corrector-A Assy & Sppt				
IJ503_3060	Eval Proposals - Inj Corrector-A Assy & Sppt	20	28JUN05	26JUL05			Eval Proposals - Inj Corrector-A Assy & Sppt				
IJ503_1040	Vendor Prep Proposals - Gun Solenoid Corr Assy &	30	15JUL05	25AUG05			Vendor Prep Proposals - Gun Solenoid Corr Assy &				
IJ503_2040	Vendor Prep Proposals - Gun Spectrometer Corr	30	15JUL05	25AUG05			Vendor Prep Proposals - Gun Spectrometer Corr				
IJ503_4040	Vendor Prep Proposals - Inj Corrector-D Assy & S	30	15JUL05	25AUG05			Vendor Prep Proposals - Inj Corrector-D Assy & S				
IJ503_5040	Vendor Prep Proposals - GS Quad Corr Assy & Sppt	30	15JUL05	25AUG05			Vendor Prep Proposals - GS Quad Corr Assy & Sppt				
IJ503_3080	Vendor Fab Inj Corrector-A Assy & Sppt	90	01AUG05	07DEC05			Vendor Fab Inj Corrector-A Assy & Sppt				
IJ503_1050	RCV: Proposals - Gun Solenoid Corr Assy & Sppt	0	26AUG05	25AUG05			RCV: Proposals - Gun Solenoid Corr Assy & Sppt				
IJ503_2050	RCV: Proposals - Gun Spectrometer Corr	0	26AUG05	25AUG05			RCV: Proposals - Gun Spectrometer Corr				
IJ503_4050	RCV: Proposals - Inj Corrector-D Assy & Sppt	0	26AUG05	25AUG05			RCV: Proposals - Inj Corrector-D Assy & Sppt				
IJ503_5050	RCV: Proposals - GS Quad Corr Assy & Sppt	0	26AUG05	25AUG05			RCV: Proposals - GS Quad Corr Assy & Sppt				
IJ503_1060	Eval Proposals - Gun Solenoid Corr Assy & Sppt	10	26AUG05	09SEP05			Eval Proposals - Gun Solenoid Corr Assy & Sppt				
IJ503_2060	Eval Proposals -Gun Spectromete Corr Assy & Sppt	10	26AUG05	09SEP05			Eval Proposals -Gun Spectromete Corr Assy & Sppt				
IJ503_4060	Eval Proposals - Inj Corrector-D Assy & Sppt	10	26AUG05	09SEP05			Eval Proposals - Inj Corrector-D Assy & Sppt				
IJ503_5060	Eval Proposals - GS Quad Corr Assy & Sppt	10	26AUG05	09SEP05			Eval Proposals - GS Quad Corr Assy & Sppt				
IJ503_1080	Vendor Fab Gun Solenoid Corr Assy & Sppt	90	15SEP05	07FEB06			Vendor Fab Gun Solenoid Corr Assy & Sppt				
IJ503_2080	Vendor Fab Gun Spectrometer Corr Assy & Sppt	90	15SEP05	07FEB06			Vendor Fab Gun Spectrometer Corr Assy & Sppt				
IJ503_4080	Vendor Fab Inj Corrector-D Assy & Sppt	90	15SEP05	07FEB06			Vendor Fab Inj Corrector-D Assy & Sppt				
IJ503_5080	Vendor Fab GS Quad Corr Assy & Sppt	90	15SEP05	07FEB06			Vendor Fab GS Quad Corr Assy & Sppt				
IJ503_3085	Review Vendor Inj Corr-A Design	1	27SEP05	27SEP05			Review Vendor Inj Corr-A Design				
IJ503_4085	Review Vendor Inj Corr-D Design	1	10NOV05	10NOV05			Review Vendor Inj Corr-D Design				
IJ503_3090	RCV: Inj Corrector-A Assy & Sppt	0	08DEC05	07DEC05			RCV: Inj Corrector-A Assy & Sppt				
IJ503_3100	Perform QC/MM on Inj Corrector-A Assy & Sppt	20	08DEC05	06JAN06			Perform QC/MM on Inj Corrector-A Assy & Sppt				
IJ503_3110	AVAIL: Inj Corrector-A Assy & Sppt RFI	0		06JAN06			AVAIL: Inj Corrector-A Assy & Sppt RFI				
IJ503_1090	RCV: Gun Solenoid Corr Assy & Sppt	0	08FEB06	07FEB06			RCV: Gun Solenoid Corr Assy & Sppt				
IJ503_2090	RCV: Gun Spectrometer Corr Assy & Sppt	0	08FEB06	07FEB06			RCV: Gun Spectrometer Corr Assy & Sppt				
IJ503_4090	RCV: Inj Corrector-D Assy & Sppt	0	08FEB06	07FEB06			RCV: Inj Corrector-D Assy & Sppt				



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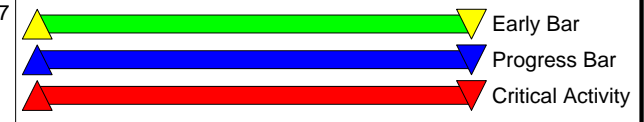
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Start Date 01JUN01
 Finish Date 31MAR09
 Data Date 01OCT04
 Run Date 29APR05 13:29

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
IJ503_5090	RCV: GS Quad Corr Assy & Sppt	0	08FEB06	07FEB06			⚠ RCV: GS Quad Corr Assy & Sppt			
IJ503_1100	Perform QC/MM on Gun Solenoid Corr Assy & Sppt	20	08FEB06	08MAR06			⚠ Perform QC/MM on Gun Solenoid Corr Assy & Sppt			
IJ503_2100	Perform QC/MM on Gun Spectrometer Corr Assy&Sppt	20	08FEB06	08MAR06			⚠ Perform QC/MM on Gun Spectrometer Corr Assy&Sppt			
IJ503_4100	Perform QC/MM on Inj Corrector-D Assy & Sppt	20	08FEB06	08MAR06			⚠ Perform QC/MM on Inj Corrector-D Assy & Sppt			
IJ503_5100	Perform QC/MM on GS Quad Corr Assy & Sppt	20	08FEB06	08MAR06			⚠ Perform QC/MM on GS Quad Corr Assy & Sppt			
IJ503_1110	AVAIL: Gun Solenoid Corr Assy & Sppt RFI	0		08MAR06			◆ AVAIL: Gun Solenoid Corr Assy & Sppt RFI			
IJ503_2110	AVAIL: Gun Spectrometer Corr Assy & Sppt RFI	0		08MAR06			◆ AVAIL: Gun Spectrometer Corr Assy & Sppt RFI			
IJ503_4110	AVAIL: Inj Corrector-D Assy & Sppt RFI	0		08MAR06			◆ AVAIL: Inj Corrector-D Assy & Sppt RFI			
IJ503_5110	AVAIL: GS Quad Corr Assy & Sppt RFI	0		08MAR06			◆ AVAIL: GS Quad Corr Assy & Sppt RFI			
1.02.05.04 Linac & Gun Solenoid										
IJ505_4500	Prep Bid Pak - Linac Solenoid Assy & Sppt	32*	02MAY05*	15JUN05			⚠ Prep Bid Pak - Linac Solenoid Assy & Sppt			
IJ0604	LINAC SOLENOID & SUPPORTS SUMMARY	205	02MAY05	08MAR06			⚠ LINAC SOLENOID & SUPPORTS SUMMARY			
IJ505_4510	RELEASE RFP: Linac Solenoid Assy & Sppt	20	16JUN05	14JUL05			⚠ RELEASE RFP: Linac Solenoid Assy & Sppt			
IJ505_4520	Vendor Prep Proposals -Linac Solenoid Assy&Sppt	30	15JUL05	25AUG05			⚠ Vendor Prep Proposals -Linac Solenoid Assy&Sppt			
IJ505_4530	RCV: Proposals - Linac Solenoid Assy & Sppt	0	26AUG05	25AUG05			⚠ RCV: Proposals - Linac Solenoid Assy & Sppt			
IJ505_4540	Eval Proposals - Linac Solenoid Assy & Sppt	10	26AUG05	09SEP05			⚠ Eval Proposals - Linac Solenoid Assy & Sppt			
IJ505_4560	Vendor Fab Linac Solenoid Assy & Sppt	90	15SEP05	07FEB06			⚠ Vendor Fab Linac Solenoid Assy & Sppt			
IJ505_4570	RCV: Linac Solenoid Assy & Sppt	0	08FEB06	07FEB06			⚠ RCV: Linac Solenoid Assy & Sppt			
IJ505_4580	Perform QC/MM on Linac Solenoid Assy & Sppt	20	08FEB06	08MAR06			⚠ Perform QC/MM on Linac Solenoid Assy & Sppt			
IJ505_4590	AVAIL: Linac Solenoid Assy & Sppt RFI	0		08MAR06			◆ AVAIL: Linac Solenoid Assy & Sppt RFI			
1.02.05.05 Injector Laser Heater Subsystem										
IJ15050005	Define Undulator specifications	60	17APR06*	11JUL06			⚠ Define Undulator specifications			
IJ15	INJECTOR LASER HEATER SUBSYSTEM SUMMARY	360	17APR06	01OCT07			⚠ INJECTOR LASER HEATER SUBSYS			
IJ1505	UNDULATOR SUMMARY	360	17APR06	01OCT07			⚠ UNDULATOR SUMMARY			
IJ15050010	Undulator design review	10	12JUL06	25JUL06			⚠ Undulator design review			
IJ15050011	Prep Bid Pak - Undulator	10	26JUL06	08AUG06			⚠ Prep Bid Pak - Undulator			
IJ15050012	RELEASE: RFP - Undulator	14	09AUG06	28AUG06			⚠ RELEASE: RFP - Undulator			
IJ15050013	Vendors Prep Proposals - Undulator	30	29AUG06	10OCT06			⚠ Vendors Prep Proposals - Undulator			
IJ15050014	RCV: Vendor Proposals - Undulator	0		10OCT06			◆ RCV: Vendor Proposals - Undulator			
IJ15050015	Evaluate Vendor Proposals - Undulator	1	11OCT06	11OCT06			⚠ Evaluate Vendor Proposals - Undulator			
IJ15050020	Fab/Procure Undulator	200	01NOV06	30AUG07			⚠ Fab/Procure Undulator			
IJ15010015	Laser Heater System Design Review	5	07JUN07	13JUN07			⚠ Laser Heater System Design Review			
IJ1501	SYSTEM DESIGN & OPTIMIZATION SUMMARY	15	07JUN07	27JUN07			⚠ SYSTEM DESIGN & OPTIMIZATION SUMMARY			
IJ15010020	Laser Heater System Design Modifications	10	14JUN07	27JUN07			⚠ Laser Heater System Design Modification			
IJ15010025	COMP: System design	0		27JUN07			◆ COMP: System design			
IJ15050035	Perform Magnetic measurements and QA	21	31AUG07	01OCT07			⚠ Perform Magnetic measurements and QA			
IJ15050040	AVAIL: Undulator for installation	0		01OCT07			◆ AVAIL: Undulator for installation			

**LCLS
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Injector



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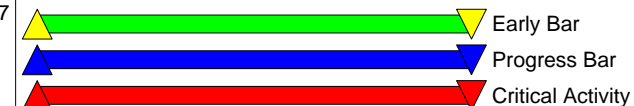
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
1.02.06 Injector Vacuum & Supports										
1.02.06.01 Injector Vacuum Engineering										
IJ601_1010	Define Injector Vacuum Requirements	3	01FEB05*	03FEB05						
IJ601_1020	Create Injector Vacuum ICD & Update LCLS Db	3	01FEB05	03FEB05						
IJ050907	GS SUPPORT SUMMARY	198	01FEB05	09NOV05						
IJ601_1030	Review & Accept Requirements, ICD & Db Entries	1	03FEB05	03FEB05						
IJ601_1040	Develop Inj Vac System Prelim Desgn Review (PDR)	65	04FEB05	06MAY05						
IJ601_1050	Vacuum Gauge - Test Engineering	113	04FEB05	15JUL05						
IJ601_1070	Prepare Bid Packages for Inj Vacuum System	15	07MAR05	25MAR05						
IJ601_1080	Evaluate Vendor Proposals	15	28MAR05	15APR05						
IJ601_1060	Common Vacuum Components Identified	0	11APR05							
IJ601_1090	Develop Injector Vacuum System Final Design	70	09MAY05	16AUG05						
IJ601_1100	Conduct Inj Vac System Final Design Review (FDR)	0		16AUG05						
IJ601_1110	Develop Vac Post-Processing Plan for Inj Vac Sys	5	17AUG05	23AUG05						
IJ601_1120	Vacuum Post-Processing	60	17AUG05	09NOV05						
IJ601_1130	AVAIL: Injector Vacuum RFI	0		09NOV05						
1.02.06.02 Injector Vacuum Components										
IJ602_1050	Proc - Gauges, MKS422 Cold Cathode Gauge	40	11APR05	06JUN05						
IJ602_1060	Proc - Gauges, MKS317 Enhanced Convection Pirani	40	11APR05	06JUN05						
IJ602_1070	Proc - Granville-Phillips Stabil-Ion Gauge	40	11APR05	06JUN05						
IJ602_1080	Proc - Granville-Phillips Convection Gauge	40	11APR05	06JUN05						
IJ602_1010	Proc - Valve,VAT47132-CE44_ADM1, 24VDC, 34.8mm	60	11APR05	05JUL05						
IJ602_1020	Proc - Valve,VAT47132-CE44_ADL1, 24VDC, 22.1mm	60	11APR05	05JUL05						
IJ602_1030	Proc - ManualValve #54032_GE02	60	11APR05	05JUL05						
IJ602_1040	Proc - Pumps, Varion Ion Pumps #9191115	60	11APR05	05JUL05						
IJ0507	GTL VACUUM COMPONENTS	310	11APR05	14JUL06						
IJ602_1090	Proc - Misc UHV hdwe (flanges, gaskets, etc.)	319*	11APR05	14JUL06						
IJ602_1100	AVAIL: Injector Vacuum Components RFI	0		05JUL05						
1.02.06.03 Injector Vacuum Special Chambers										
IJ0508	GTL SUPPORTS	40	17AUG05	12OCT05						
IJ603_1010	Proc - GTL Pumping and Optics Chamber	40	17AUG05	12OCT05						
IJ603_1020	Proc - L0-1TL0-2 Vacuum Components	40	17AUG05	12OCT05						
IJ603_1030	Proc - DL1 Vacuum Chamber	40	17AUG05	12OCT05						
IJ603_1040	Proc - DL1TL Vacuum Components	40	17AUG05	12OCT05						
IJ603_1050	Proc - SAB Vacuum Chamber and Components	40	17AUG05	12OCT05						
IJ603_1015	AVAIL: GTL Pumping and Optics Chamber RFI	0		12OCT05						
IJ603_1025	AVAIL: L0-1TL0-2 Vacuum Components RFI	0		12OCT05						
Start Date	01JUN01				Sheet 32 of 47					
Finish Date	31MAR09									
Data Date	01OCT04				<p style="text-align: center;">LCLS INTEGRATED SCHEDULE</p> <p style="text-align: center;">Injector</p>					
Run Date	29APR05 13:29									
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ603_1035	AVAIL: DL1 Vacuum Chamber RFI	0		12OCT05			◆AVAIL: DL1 Vacuum Chamber RFI				
IJ603_1045	AVAIL: DL1TL Vacuum Components RFI	0		12OCT05			◆AVAIL: DL1TL Vacuum Components RFI				
IJ603_1055	AVAIL: SAB Vacuum Chamber and Components RFI	0		12OCT05			◆AVAIL: SAB Vacuum Chamber and Components RFI				
1.02.06.04 Injector Vacuum Supports Engineering											
IJ604_1090	Define LTDL1 Vacuum Support Requirements	1	17AUG05	17AUG05			⚠Define LTDL1 Vacuum Support Requirements				
IJ0510	COMBINATION PUMPING & OPTIC CHAMBER	129	17AUG05	07MAR06			⚠COMBINATION PUMPING & OPTIC CHAMBER				
IJ604_1100	Design LTDL1 Vacuum Supports	25	18AUG05	22SEP05			⚠Design LTDL1 Vacuum Supports				
IJ604_1070	Define L0-1TL0-2 Vacuum Support Requirements	1	23SEP05	23SEP05			⚠Define L0-1TL0-2 Vacuum Support Requirements				
IJ604_1080	Design L0-1TL0-2 Vacuum Supports	10	26SEP05	07OCT05			⚠Design L0-1TL0-2 Vacuum Supports				
IJ604_1050	Define GTL Vacuum Supports Requirements	1	10OCT05	10OCT05			⚠Define GTL Vacuum Supports Requirements				
IJ604_1060	Design GTL Vacuum Supports	5	11OCT05	17OCT05			⚠Design GTL Vacuum Supports				
IJ604_1030	Define Special RF Vacuum Valve Supprt Requirement	1	18OCT05	18OCT05			⚠Define Special RF Vacuum Valve Supprt Requirement				
IJ604_1040	Design Special RF Vacuum Valve Supports	5	19OCT05	25OCT05			⚠Design Special RF Vacuum Valve Supports				
IJ604_1010	Define GS Vacuum Support Requirements	1	26OCT05	26OCT05			⚠Define GS Vacuum Support Requirements				
IJ604_1020	Design GS Vacuum Support	20	27OCT05	23NOV05			⚠Design GS Vacuum Support				
IJ604_1110	Define DL1 Vacuum Supports Requirements	1	28NOV05	28NOV05			⚠Define DL1 Vacuum Supports Requirements				
IJ604_1120	Design DL1 Vacuum Supports	25	29NOV05	04JAN06			⚠Design DL1 Vacuum Supports				
IJ604_1130	Define DL1TL Vacuum Support Requirements	1	05JAN06	05JAN06			⚠Define DL1TL Vacuum Support Requirements				
IJ604_1140	Design DL1TL Vacuum Supports	15	06JAN06	27JAN06			⚠Design DL1TL Vacuum Supports				
IJ604_1150	Define SAB Vacuum Support Requirements	1	30JAN06	30JAN06			⚠Define SAB Vacuum Support Requirements				
IJ604_1160	Design SAB Vacuum Supports	25	31JAN06	07MAR06			⚠Design SAB Vacuum Supports				
1.02.06.05 Injector Vacuum Support Components											
IJ605_1060	Proc - LTDL1 Support Structure Materials	40	23SEP05	17NOV05			⚠Proc - LTDL1 Support Structure Materials				
IJ605_1090	Proc - Misc Support Hardware (bolts, nuts, etc.)	40	23SEP05*	17NOV05			⚠Proc - Misc Support Hardware (bolts, nuts, etc.)				
IJ0706	L0-1TL0-2 Vacuum Components	143	23SEP05	02MAY06			⚠L0-1TL0-2 Vacuum Components				
IJ605_1040	Proc L0-1TL0-2 Minor Tube Support Materials	40	10OCT05	06DEC05			⚠Proc L0-1TL0-2 Minor Tube Support Materials				
IJ605_1030	Proc - GTL Supports	40	18OCT05	14DEC05			⚠Proc - GTL Supports				
IJ605_1020	Proc - Special Beam Pump/Spool Support Material	40	26OCT05	22DEC05			⚠Proc - Special Beam Pump/Spool Support Material				
IJ605_1065	AVAIL: LTDL1 Support Structure Materials	0		17NOV05			◆AVAIL: LTDL1 Support Structure Materials				
IJ605_1095	AVAIL: Misc Support Hardware	0		17NOV05			◆AVAIL: Misc Support Hardware				
IJ605_1010	Proc - GS Support Material	40	28NOV05	25JAN06			⚠Proc - GS Support Material				
IJ605_1045	AVAIL: L0-1TL0-2 Minor Tube Support Materials	0		06DEC05			◆AVAIL: L0-1TL0-2 Minor Tube Support Materials				
IJ605_1035	AVAIL: GTL Supports	0		14DEC05			◆AVAIL: GTL Supports				
IJ605_1025	AVAIL: Special Beam/Spool Support Material	0		22DEC05			◆AVAIL: Special Beam/Spool Support Material				
IJ605_1050	Proc - DL1 Support Structure Materials	40	05JAN06	03MAR06			⚠Proc - DL1 Support Structure Materials				
IJ605_1015	AVAIL: GS Support Material	0		25JAN06			◆AVAIL: GS Support Material				
IJ605_1070	Proc - DL1TL Support Structure Materials	40	30JAN06	27MAR06			⚠Proc - DL1TL Support Structure Materials				

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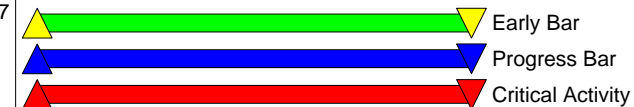
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					IJ605_1055	AVAIL: DL1 Support Struture Materials	0		03MAR06	
IJ605_1080	Proc - SAB Supports	40	08MAR06	02MAY06			▲▼ Proc - SAB Supports			
IJ605_1075	AVAIL: DL1TL Support Structure Material	0		27MAR06			◆ AVAIL: DL1TL Support Structure Material			
IJ605_1085	AVAIL: SAB Supports	0		02MAY06			◆ AVAIL: SAB Supports			
1.02.07 Injector Diagnostics										
IJ07	LO-1TL0-2 SUMMARY	317	01FEB05	16MAY06			▲▼ LO-1TL0-2 SUMMARY			
1.02.07.01 Beam Position Monitors										
IJ701_1010	Define LA BPM Physics Requirements	10	01APR05*	14APR05			▲▼ Define LA BPM Physics Requirements			
IJ701_1020	Define LA Linac BPM Engineering Requirements	10	01APR05	14APR05			▲▼ Define LA Linac BPM Engineering Requirements			
IJ701_2010	Define SA BPM Requirements	10	01APR05*	14APR05			▲▼ Define SA BPM Requirements			
IJ701_2020	Define SA Linac BPM Requirements	10	01APR05	14APR05			▲▼ Define SA Linac BPM Requirements			
IJ701_2030	Design SA Linac BPM	40	15APR05	10JUN05			▲▼ Design SA Linac BPM			
IJ701_2040	COMP: SA Linac BPM Design	0		10JUN05			◆ COMP: SA Linac BPM Design			
IJ701_2050	Prep Bid Pack for SA Linac BPM	10	13JUN05	24JUN05			▲▼ Prep Bid Pack for SA Linac BPM			
IJ701_1030	Design LA Linac BPM	40	13JUN05	08AUG05			▲▼ Design LA Linac BPM			
IJ701_2060	RELEASE RFP: SA Linac BPM	1	27JUN05	27JUN05			▲▼ RELEASE RFP: SA Linac BPM			
IJ701_2070	Vendor Prep Proposals for SA Linac BPM	5	28JUN05	05JUL05			▲▼ Vendor Prep Proposals for SA Linac BPM			
IJ701_2080	RCV: Proposals for SA Linac BPM	1	06JUL05	06JUL05			▲▼ RCV: Proposals for SA Linac BPM			
IJ701_2090	Evaluate Proposals for SA Linac BPM	10	07JUL05	20JUL05			▲▼ Evaluate Proposals for SA Linac BPM			
IJ701_2110	Vendor Fab SA Linac BPM	20	22JUL05	18AUG05			▲▼ Vendor Fab SA Linac BPM			
IJ701_1040	COMP: LA Linac BPM Design	0		08AUG05			◆ COMP: LA Linac BPM Design			
IJ701_1050	Prep Bid Pack for LA Linac BPM	10	09AUG05	22AUG05			▲▼ Prep Bid Pack for LA Linac BPM			
IJ701_2115	In House Assemble SA Linac BPM	20	19AUG05	16SEP05			▲▼ In House Assemble SA Linac BPM			
IJ701_1060	RELEASE RFP: LA Linac BPM	1	23AUG05	23AUG05			▲▼ RELEASE RFP: LA Linac BPM			
IJ701_1070	Vendor Prep Proposals for LA Linac BPM	5	24AUG05	30AUG05			▲▼ Vendor Prep Proposals for LA Linac BPM			
IJ701_1080	RCV: Proposals for LA Linac BPM	1	31AUG05	31AUG05			▲▼ RCV: Proposals for LA Linac BPM			
IJ701_1090	Evaluate Proposals for LA Linac BPM	10	01SEP05	15SEP05			▲▼ Evaluate Proposals for LA Linac BPM			
IJ701_2120	Vacuum Process SA Linac BPM	5	19SEP05	23SEP05			▲▼ Vacuum Process SA Linac BPM			
IJ701_1110	Vendor Fab LA Linac BPM	20	19SEP05	14OCT05			▲▼ Vendor Fab LA Linac BPM			
IJ701_2130	Perform Lab Tests on SA Linac BPM Assembly	10	26SEP05	07OCT05			▲▼ Perform Lab Tests on SA Linac BPM Assembly			
IJ701_2140	AVAIL: SA Linac BPM Assembly RFI	0		07OCT05			◆ AVAIL: SA Linac BPM Assembly RFI			
IJ701_1115	In House Assemble LA BPM	10	17OCT05	28OCT05			▲▼ In House Assemble LA BPM			
IJ701_1120	Vacuum Process LA Linac BPM	15	31OCT05	18NOV05			▲▼ Vacuum Process LA Linac BPM			
IJ701_1130	Perform Lab Tests on LA Linac BPM Assembly	15	21NOV05	13DEC05			▲▼ Perform Lab Tests on LA Linac BPM Assembly			
IJ701_1140	AVAIL: LA Linac BPM Assembly RFI	0		13DEC05			◆ AVAIL: LA Linac BPM Assembly RFI			
1.02.07.02 Current Monitors										
IJ702_1010	Define Current Monitor Physics Specifications	5	01APR05*	07APR05			▲▼ Define Current Monitor Physics Specifications			

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ702_1020	Design Current Monitor	40	08APR05	03JUN05		▲▼ Design Current Monitor					
IJ702_1030	COMP: Current Monitor Design	0		03JUN05		◆ COMP: Current Monitor Design					
IJ702_1040	Prep Bid Pack for Current Monitor	10	06JUN05	17JUN05		▲▼ Prep Bid Pack for Current Monitor					
IJ702_1050	RELEASE RFP: Current Monitor	1	20JUN05	20JUN05		▲▼ RELEASE RFP: Current Monitor					
IJ702_1060	Vendor Prep Proposals for Current Monitor	5	21JUN05	27JUN05		▲▼ Vendor Prep Proposals for Current Monitor					
IJ702_1070	RCV: Proposals for Current Monitor	1	28JUN05	28JUN05		▲▼ RCV: Proposals for Current Monitor					
IJ702_1080	Evaluate Proposals for Current Monitor	5	29JUN05	06JUL05		▲▼ Evaluate Proposals for Current Monitor					
IJ702_1100	Vendor Fab Current Monitor	60	08JUL05	30SEP05		▲▼ Vendor Fab Current Monitor					
IJ702_1120	Vacuum Process Current Monitor	10	03OCT05	14OCT05		▲▼ Vacuum Process Current Monitor					
IJ702_1130	Perform Lab Tests on Current Monitor	15	17OCT05	04NOV05		▲▼ Perform Lab Tests on Current Monitor					
IJ702_1140	AVAIL: Current Monitor RFI	0		04NOV05		◆ AVAIL: Current Monitor RFI					
1.02.07.03 Bunch Length Monitors											
IJ703_1010	Define EO BLM Physics Requirements	5	01AUG05*	05AUG05		▲▼ Define EO BLM Physics Requirements					
IJ703_1020	Define EO BLM Requirements	5	08AUG05	12AUG05		▲▼ Define EO BLM Requirements					
IJ703_1030	Design EO BLM	120	15AUG05	06FEB06		▲▼ Design EO BLM					
IJ703_1040	COMP: EO BLM Design	0		06FEB06		◆ COMP: EO BLM Design					
IJ703_1050	Procure EO BLM Materials	10	07FEB06	21FEB06		▲▼ Procure EO BLM Materials					
IJ703_1060	Fabricate EO BLM	20	22FEB06	21MAR06		▲▼ Fabricate EO BLM					
IJ703_1070	Assemble EO BLM	20	22MAR06	18APR06		▲▼ Assemble EO BLM					
IJ703_1080	Measure EO BLM Assembly	5	19APR06	25APR06		▲▼ Measure EO BLM Assembly					
IJ703_1090	Perform Lab Tests on EO BLM Assembly	15	26APR06	16MAY06		▲▼ Perform Lab Tests on EO BLM Assembly					
IJ703_1100	AVAIL: EO BLM Assembly RFI	0		16MAY06		◆ AVAIL: EO BLM Assembly RFI					
1.02.07.04 Profile Monitors											
IJ704_1010	Define Profile Monitor Physics Requirements	30	01FEB05*	15MAR05		▲▼ Define Profile Monitor Physics Requirements					
IJ704_1020	Define Profile Monitor Engineering Requirements	40	01FEB05	29MAR05		▲▼ Define Profile Monitor Engineering Requirements					
IJ704_1030	Design Profile Monitors	200	01FEB05	11NOV05		▲▼ Design Profile Monitors					
IJ704_1200	COMP: Profile Monitor Design (OTR 1-3)	0		29MAR05		◆ COMP: Profile Monitor Design (OTR 1-3)					
IJ704_1210	Prep Bid Pack for Profile Monitor (OTR 1-3)	10	30MAR05	12APR05		▲▼ Prep Bid Pack for Profile Monitor (OTR 1-3)					
IJ704_1220	RELEASE RFP: Profile Monitor (OTR 1-3)	1	13APR05	13APR05		▲▼ RELEASE RFP: Profile Monitor (OTR 1-3)					
IJ704_1230	Vendor Prep Proposals for Profile Monitor (OTR	5	14APR05	20APR05		▲▼ Vendor Prep Proposals for Profile Monitor (OTR					
IJ704_1240	RCV: Proposals for Profile Monitor (OTR 1-3)	0		20APR05		◆ RCV: Proposals for Profile Monitor (OTR 1-3)					
IJ704_1250	Evaluate Proposals for Profile Monitor (OTR 1-3)	10	21APR05	04MAY05		▲▼ Evaluate Proposals for Profile Monitor (OTR 1-3)					
IJ704_1270	Vendor Fab Profile Monitor (OTR 1-3)	40	06MAY05	01JUL05		▲▼ Vendor Fab Profile Monitor (OTR 1-3)					
IJ704_1280	In House Assembly (OTR 1-3)	1	05JUL05	05JUL05		▲▼ In House Assembly (OTR 1-3)					
IJ704_1290	Perform Lab Test On Profile Monitors (OTR 1-3)	20	06JUL05	02AUG05		▲▼ Perform Lab Test On Profile Monitors (OTR 1-3)					
IJ704_1300	AVAIL: Profile Monitors (OTR 1-3) RFI	0		02AUG05		◆ AVAIL: Profile Monitors (OTR 1-3) RFI					
IJ704_1040	COMP: Profile Monitors Design	0		11NOV05		◆ COMP: Profile Monitors Design					

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					2004	2005	2006	2007	2008	2009
IJ704_1050	Prep Bid Pack for Profile Monitor	10	14NOV05	29NOV05			▲			
IJ704_1060	RELEASE RFP: Profile Monitor	1	30NOV05	30NOV05			▲			
IJ704_1070	Vendor Prep Proposals for Profile Monitor	5	01DEC05	07DEC05			▲			
IJ704_1080	RCV: Proposals for Profile Monitor	1	08DEC05	08DEC05			▲			
IJ704_1090	Evaluate Proposals for Profile Monitor	10	09DEC05	22DEC05			▲			
IJ704_1110	Vendor Fab Profile Monitor	40	27DEC05	23FEB06			▲▼			
IJ704_1115	In House Assembly	10	24FEB06	09MAR06			▲			
IJ704_1120	Perform Lab Test On Profile Monitors	20	10MAR06	06APR06			▲			
IJ704_1130	AVAIL: Profile Monitor RFI - Remaining Lot	0		06APR06			◆			
1.02.07.07 PPS Stopper										
IJ707_1010	Define PPS Stopper Physics Specifications	2	01APR05*	04APR05			▲			
IJ707_1020	Define PPS Stopper Engineering Specs	2	05APR05	06APR05			▲			
IJ707_1030	Design PPS Stopper	40	07APR05	02JUN05			▲▼			
IJ707_1040	COMP: PPS Stopper Design	0		02JUN05			◆			
IJ707_1050	Prep Bid Pack for PPS Stopper	10	03JUN05	16JUN05			▲			
IJ707_1060	RELEASE RFP: PPS Stopper	1	17JUN05	17JUN05			▲			
IJ707_1070	Vendor Prep Proposals for PPS Stopper	5	20JUN05	24JUN05			▲			
IJ707_1080	RCV: Proposals for PPS Stopper	1	27JUN05	27JUN05			▲			
IJ707_1090	Evaluate Proposals for PPS Stopper	5	28JUN05	05JUL05			▲			
IJ707_1110	Vendor Fab PPS Stopper	20	07JUL05	03AUG05			▲			
IJ707_1120	In House Fab PPS Stopper	20	04AUG05	31AUG05			▲			
IJ707_1130	Assemble PPS Stopper	10	01SEP05	15SEP05			▲			
IJ707_1140	Vacuum Process PPS Stopper	10	16SEP05	29SEP05			▲			
IJ707_1150	AVAIL: PPS Stopper RFI	0		29SEP05			◆			
1.02.17 Injector Installation & Alignment										
IJ17	INJECTOR INSTALLATION SUMMARY	987	01OCT04	22OCT08	▲-----▼ INJECTOR INSTAL					
1.02.17.01 Injector Infrastructure Installation										
IJ17010006	Design Local Network	10	01APR05*	14APR05			▲			
IJ17010012	ED&I Engineering, Develop Installation Plan	40	01APR05*	26MAY05			▲▼			
IJ1701	INJECTOR INFRASTRUCTURE INSTALL SUMMARY	405	01APR05	17NOV06	▲-----▼ INJECTOR INFRASTRUCTURE INSTALL SUMMARY					
IJ17010020	Procure Alignment Parts	30	15APR05*	26MAY05			▲			
IJ17010007	Install Local Network	5	27MAY05	03JUN05			▲			
IJ17010008	Measure Network	20	06JUN05	01JUL05			▲			
IJ17010009	Re-Measure Network	20	05JUL05	01AUG05			▲			
IJ17010010	Evaluate Data	20	02AUG05	29AUG05			▲			
IJ17010102	Engineering Support for Cable Plant	20	04AUG05	31AUG05			▲			
IJ17010103	UTR Support for Cable Plant	50	05AUG05	14OCT05			▲▼			

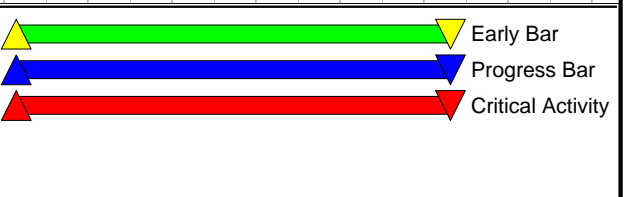
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
IJ17010011	Quality Control of Network	10	30AUG05	13SEP05			⚠ Quality Control of Network			
IJ17010030	Compute Layout Parameters	5	14SEP05	20SEP05			⚠ Compute Layout Parameters			
IJ17010025	Mark Floor Support Bolts	10	21SEP05	04OCT05			⚠ Mark Floor Support Bolts			
IJ17010015	Quality Control of Support Bolts	5	05OCT05	11OCT05			⚠ Quality Control of Support Bolts			
IJ17010017	Fiducialize Components	60	12OCT05	23JAN06			⚠ Fiducialize Components			
IJ17010023	Pre-Align Supports	5	24JAN06	30JAN06			⚠ Pre-Align Supports			
IJ17010024	Align Gun	5	31JAN06	06FEB06			⚠ Align Gun			
IJ17010026	Align Dipoles & Quads	20	07FEB06	07MAR06			⚠ Align Dipoles & Quads			
IJ17010027	Align Diagnostics	20	08MAR06	04APR06			⚠ Align Diagnostics			
IJ17010028	QC of Gun, Dipoles, Quads, & Diagnostics	10	05APR06	18APR06			⚠ QC of Gun, Dipoles, Quads, & Diagnostics			
IJ17010100	REQD: All Inj InfraStruct Equip Ready for Instl	0		26JUL06			◆ REQD: All Inj InfraStruct Equip Ready for Instl			
IJ17010135	Install Thermocouples (60)/Isoplanes	10	27JUL06	09AUG06			⚠ Install Thermocouples (60)/Isoplanes			
IJ17010110	Install Cableplant, Integ Cntrls&Pwr Conv Racks	42	27JUL06	25SEP06			⚠ Install Cableplant, Integ Cntrls&Pwr Conv Racks			
IJ17010115	Install LCW systems	42	27JUL06	25SEP06			⚠ Install LCW systems			
IJ17010140	Align Systems	20	02OCT06	27OCT06			⚠ Align Systems			
IJ17010145	Pump Down and Leak Check	15	30OCT06	17NOV06			⚠ Pump Down and Leak Check			
1.02.17.02 Injector Controls Subsystem Install & Align										
IJ17020100	REQD: All Inj Controls Equip Ready for Instl	0		15AUG07			◆ REQD: All Inj Controls Equip Ready for Ins			
IJ1702	INJECTOR CONTROLS SUBSYS INSTALL SUMMARY	20	16AUG07	13SEP07			INJECTOR CONTROLS SUBSYS INSTALL SUMMAR			
IJ17020105	Install Controls	20	16AUG07	13SEP07			⚠ Install Controls			
IJ17020110	AVAIL: Controls Installed	0		13SEP07			◆ AVAIL: Controls Installed			
1.02.17.03 Injector Lasers Install & Align										
IJ17030108	REQD: Vertical optical paths	0		17AUG05			◆ REQD: Vertical optical paths			
IJ17030112	REQD: Laser Heater optical paths	0		17AUG05			◆ REQD: Laser Heater optical paths			
IJ1703	INJECTOR LASERS INSTALLATION SUMMARY	323	18AUG05	12DEC06			INJECTOR LASERS INSTALLATION SUMMARY			
IJ17030122	REQD: Synch Light Tube/Light Path for Strk Cam	0		20JAN06			◆ REQD: Synch Light Tube/Light Path for Strk Cam			
IJ17_30010	REQD: Injector Laser Components RFI	0		20JAN06			◆ REQD: Injector Laser Components RFI			
IJ17030110	Install vertical optical paths	15	23JAN06	10FEB06			⚠ Install vertical optical paths			
IJ17030115	Install laser heater optical path	15	23JAN06	10FEB06			⚠ Install laser heater optical path			
IJ17030125	Install Synch Light Tube/Light Path for Strk Cam	15	23JAN06	10FEB06			⚠ Install Synch Light Tube/Light Path for Strk Cam			
IJ17030103	REQD:Laser Bay Opt Tables/Legs/Encls/Alignmt Lsr	0		08SEP06			◆ REQD:Laser Bay Opt Tables/Legs/Encls/Alignmt Lsr			
IJ17030105	Install Laser Bay Optical Tables/Alignment Laser	10	02OCT06	13OCT06			⚠ Install Laser Bay Optical Tables/Alignment Laser			
IJ17030117	REQD: EO optical paths	0		17NOV06			◆ REQD: EO optical paths			
IJ17030120	Install EO optical paths	15	20NOV06	12DEC06			⚠ Install EO optical paths			
IJ17030130	AVAIL: Laser Tables & Optical Paths Installed	0		12DEC06			◆ AVAIL: Laser Tables & Optical Paths Installed			
IJ17_30020	AVAIL: Injector Laser Components Installed	0		12DEC06			◆ AVAIL: Injector Laser Components Installed			

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▶ Early Bar
▶ Progress Bar
▶ Critical Activity

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
1.02.17.04 Gun Area Integration										
IJ17040030	REQD: Corrector Supt Assy Ready for Instl	0		09NOV05						◆REQD: Corrector Supt Assy Ready for Instl
IJ1704	RF GUN & LOAD LOCK INSTALLATION SUMMARY	715	10NOV05	22OCT08						▲RF GUN & LOAD LOCK INSTALLATION SUMMARY
IJ1705	GUN to LINAC SECTION (GTL) INSTALLATION	715	10NOV05	22OCT08						▲GUN to LINAC SECTION (GTL) INSTALLATION
IJ17040035	REQD: Corrector Assembly Ready for Instl	0		16NOV05						◆REQD: Corrector Assembly Ready for Instl
IJ17040000	REQD: RF Gun Support Assy Ready for Instl	0		28NOV05						◆REQD: RF Gun Support Assy Ready for Instl
IJ17040025	REQD: Gun Solenoid Ready for Instl	0		31MAR06						◆REQD: Gun Solenoid Ready for Instl
IJ17_40010	REQD: Gun Area Components RFI	0		06APR06						◆REQD: Gun Area Components RFI
IJ17040125	Install Gun Sol Support Assembly	5	07APR06	13APR06						▲Install Gun Sol Support Assembly
IJ17040130	Install Gun Solenoid	5	07APR06	13APR06						▲Install Gun Solenoid
IJ17040135	Install Corrector Supt Assembly	5	07APR06	13APR06						▲Install Corrector Supt Assembly
IJ17040140	Install Corrector Assembly	5	07APR06	13APR06						▲Install Corrector Assembly
IJ17040145	Install BPMs Supt Assy	5	07APR06	13APR06						▲Install BPMs Supt Assy
IJ17040150	Install BPMs Assy	5	07APR06	13APR06						▲Install BPMs Assy
IJ17040155	Install Faraday Cups Supt Assy	5	07APR06	13APR06						▲Install Faraday Cups Supt Assy
IJ17040160	Install Faraday Cups Assy	5	07APR06	13APR06						▲Install Faraday Cups Assy
IJ17040165	Install Gun E-Spect Support Assy	5	07APR06	13APR06						▲Install Gun E-Spect Support Assy
IJ17040175	Install Dipoles Supt Assembly Ready for Install	5	07APR06	13APR06						▲Install Dipoles Supt Assembly Ready for Install
IJ17040180	Install Dipoles Assembly	5	07APR06	13APR06						▲Install Dipoles Assembly
IJ17050110	Install GTL YAG1	5	07APR06	13APR06						▲Install GTL YAG1
IJ17050115	Install GTL Current Monitors (CM1)	5	07APR06	13APR06						▲Install GTL Current Monitors (CM1)
IJ17050120	Install GTL E/O (EO1) BL Monitor/Opt Tables	5	07APR06	13APR06						▲Install GTL E/O (EO1) BL Monitor/Opt Tables
IJ17050130	Install GTL Steering Coils	5	07APR06	13APR06						▲Install GTL Steering Coils
IJ17050140	Install GS Supports	5	07APR06	13APR06						▲Install GS Supports
IJ17050145	Install GS Dipole	5	07APR06	13APR06						▲Install GS Dipole
IJ17050150	Install GS Current Monitor (CM2)	5	07APR06	13APR06						▲Install GS Current Monitor (CM2)
IJ17050155	Install GS BPM (2)	5	07APR06	13APR06						▲Install GS BPM (2)
IJ17050160	Install GS Faraday Cup/YAG2	5	07APR06	13APR06						▲Install GS Faraday Cup/YAG2
IJ17050165	Install GS Quad Supports (3)	5	07APR06	13APR06						▲Install GS Quad Supports (3)
IJ17050170	Install GS Quad (3)	5	07APR06	13APR06						▲Install GS Quad (3)
IJ17050175	Install GS Dump Shielding	5	07APR06	13APR06						▲Install GS Dump Shielding
IJ17040105	Install RF Gun Support Assy	10	07APR06	20APR06						▲Install RF Gun Support Assy
IJ17050105	Install GTL BPMs	10	07APR06	20APR06						▲Install GTL BPMs
IJ17050125	Install GTL RF Phase Cavity	10	07APR06	20APR06						▲Install GTL RF Phase Cavity
IJ17050135	Install GTL Vacuum Components	10	07APR06	20APR06						▲Install GTL Vacuum Components
IJ17050181	AVAIL: GS Installed	0		13APR06						◆AVAIL: GS Installed
IJ17050180	AVAIL: GTL Installed	0		20APR06						◆AVAIL: GTL Installed

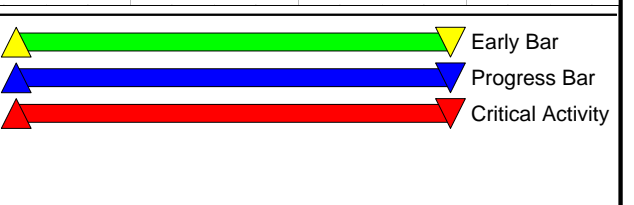
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
IJ17040005	REQD: RF Gun Assembly Ready for Instl	0		02MAY06			◆REQD: RF Gun Assembly Ready for Instl			
IJ17040110	Install RF Gun Assembly	5	03MAY06	09MAY06			▲▼Install RF Gun Assembly			
IJ17040121	AVAIL: RF Gun Installed & Aligned	0		09MAY06			◆AVAIL: RF Gun Installed & Aligned			
IJ17040122	AVAIL: Load Lock Installed & Aligned	0		09MAY06			◆AVAIL: Load Lock Installed & Aligned			
IJ17_40020	AVAIL: Gun Area Components Installed	0		16MAY06			◆AVAIL: Gun Area Components Installed			
IJ17040010	REQD: Load Lock Support Assy Ready for Instl	0		15JUL08			◆REQD: Load Lock Support Assy Ready for Ins			
IJ17040115	Install Load Lock Support Assy	5	16JUL08	22JUL08			▲▼Install Load Lock Support Ass			
IJ17040015	REQD: Gun Load Lock Assy Ready for Instl	0		15OCT08			◆REQD: Gun Load Lock Assy Ready for Ins			
IJ17040120	Install Gun Load Lock Assembly	5	16OCT08	22OCT08			▲▼Install Gun Load Lock Assembi			
1.02.17.06 Accelerator Area Integration										
IJ17060015	REQD: LO-2 Structure Ready for Instl	0		08MAR06			◆REQD: LO-2 Structure Ready for Instl			
IJ1706	INJECTOR LINAC STRUCTURES INSTALL SUMMARY	51	09MAR06	18MAY06			▲▼INJECTOR LINAC STRUCTURES INSTALL SUMMARY			
IJ17060005	REQD: Linac Supports Ready for Instl	0		06APR06			◆REQD: Linac Supports Ready for Instl			
IJ17_60010	REQD: Accelerator Area Components RFI	0		06APR06			◆REQD: Accelerator Area Components RFI			
IJ17060110	Install LO-1 structure	5	07APR06	13APR06			▲▼Install LO-1 structure			
IJ17060115	Install LO-2 structure	5	07APR06	13APR06			▲▼Install LO-2 structure			
IJ17060120	Install Loads	5	07APR06	13APR06			▲▼Install Loads			
IJ17060125	Install Linac Solenoid Support	5	07APR06	13APR06			▲▼Install Linac Solenoid Support			
IJ17060130	Install Linac Solenoid	10	07APR06	20APR06			▲▼Install Linac Solenoid			
IJ17060105	Install supports	20	07APR06	04MAY06			▲▼Install supports			
IJ17060135	Install Plumbing	25	07APR06	11MAY06			▲▼Install Plumbing			
IJ17060111	AVAIL: LO-1 structures installed	5	12MAY06	18MAY06			▲▼AVAIL: LO-1 structures installed			
IJ17_60020	AVAIL: Accelerator Area Components Installed	0		18MAY06			◆AVAIL: Accelerator Area Components Installed			
1.02.17.07 Heater Area Integration										
IJ17070021	REQD: Steering Coils Ready for Instl	0		30SEP04			◆REQD: Steering Coils Ready for Instl			
IJ1707	LO-1 to LO-2 Section (LO-1TL0-2) INSTALL SUMMARY	337	01OCT04	01MAR06			▲▼LO-1 to LO-2 Section (LO-1TL0-2) INSTALL SUMMARY			
IJ17_70010	REQD: Heater Area Components RFI	0		14FEB06			◆REQD: Heater Area Components RFI			
IJ17070105	Install RF Phase Cavity	5	15FEB06	22FEB06			▲▼Install RF Phase Cavity			
IJ17070110	Install Quads	5	15FEB06	22FEB06			▲▼Install Quads			
IJ17070115	Install BPM (2)	5	15FEB06	22FEB06			▲▼Install BPM (2)			
IJ17070120	Install Steering Coil (4)	5	15FEB06	22FEB06			▲▼Install Steering Coil (4)			
IJ17070125	Install YAG (1)	5	15FEB06	22FEB06			▲▼Install YAG (1)			
IJ17070130	Install Vacuum components	5	15FEB06	22FEB06			▲▼Install Vacuum components			
IJ17070135	Install Current Monitor (1)	5	15FEB06	22FEB06			▲▼Install Current Monitor (1)			
IJ17070140	Install tube support structure	5	15FEB06	22FEB06			▲▼Install tube support structure			
IJ17070145	Final Alignment	5	23FEB06	01MAR06			▲▼Final Alignment			
IJ17070150	AVAIL: LO-1TL0-2 Installed	0		01MAR06			◆AVAIL: LO-1TL0-2 Installed			

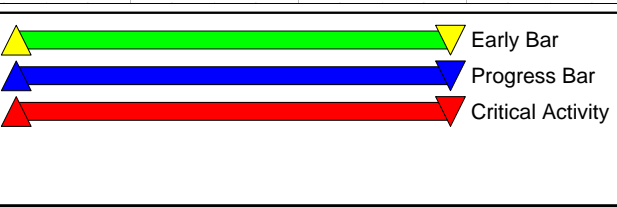
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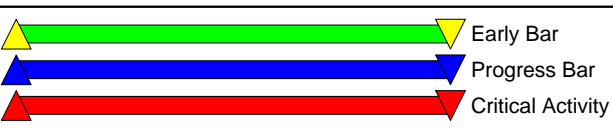
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
IJ17090005	REQD: Supports Ready for Instl	0		31JUL06						◆REQD: Supports Ready for Instl	
IJ17090010	REQD:Dipoles (B01-B02) Ready for Instl	0		31JUL06						◆REQD:Diploes (B01-B02) Ready for Instl	
IJ17090020	REQD: Quads Ready for Instl	0		31JUL06						◆REQD: Quads Ready for Instl	
IJ17090025	REQD: BPMs Ready for Instl	0		31JUL06						◆REQD: BPMs Ready for Instl	
IJ17090030	REQD: Steering Coils Ready for Instl	0		31JUL06						◆REQD: Steering Coils Ready for Instl	
IJ17090035	REQD: OTR Ready for Instl	0		31JUL06						◆REQD: OTR Ready for Instl	
IJ17090040	REQD: Toroid Ready for Instl	0		31JUL06						◆REQD: Toroid Ready for Instl	
IJ17090055	REQD: DL1 Vacuum Chamber Ready for Instl	0		31JUL06						◆REQD: DL1 Vacuum Chamber Ready for Instl	
IJ17100000	REQD: Supports Ready for Instl	0		31JUL06						◆REQD: Supports Ready for Instl	
IJ17100005	REQD: Quads Ready for Instl	0		31JUL06						◆REQD: Quads Ready for Instl	
IJ17100010	REQD: BPM Ready for Instl	0		31JUL06						◆REQD: BPM Ready for Instl	
IJ17100015	REQD: Steering Coils Ready for Instl	0		31JUL06						◆REQD: Steering Coils Ready for Instl	
IJ17100020	REQD: OTR Ready for Instl	0		31JUL06						◆REQD: OTR Ready for Instl	
IJ17100025	REQD: Current Monitor Ready for Instl	0		31JUL06						◆REQD: Current Monitor Ready for Instl	
IJ17090102	Install DL1 Vacuum Chamber	1	01AUG06	01AUG06						⚠Install DL1 Vacuum Chamber	
IJ17090103	AVAIL: DL1 Vacuum Chamber installed	1	01AUG06	01AUG06						⚠AVAIL: DL1 Vacuum Chamber installed	
IJ17090110	Install Dipoles (2) (B01-B02)	5	01AUG06	07AUG06						⚠Install Dipoles (2) (B01-B02)	
IJ17090125	Install BPM (1)	5	01AUG06	07AUG06						⚠Install BPM (1)	
IJ17090130	Install Steering Coil (1)	5	01AUG06	07AUG06						⚠Install Steering Coil (1)	
IJ17090135	Install OTR (1)	5	01AUG06	07AUG06						⚠Install OTR (1)	
IJ17090140	Install Toroid	5	01AUG06	07AUG06						⚠Install Toroid	
IJ17100110	Install Quads (2)	5	01AUG06	07AUG06						⚠Install Quads (2)	
IJ17090120	Install Quads (3)	10	01AUG06	14AUG06						⚠Install Quads (3)	
IJ17100105	Install supports	10	01AUG06	14AUG06						⚠Install supports	
IJ17090105	Install supports	10	02AUG06	15AUG06						⚠Install supports	
IJ17100115	Install BPM (1)	5	08AUG06	14AUG06						⚠Install BPM (1)	
IJ17100120	Install Steering Coil (2)	5	08AUG06	14AUG06						⚠Install Steering Coil (2)	
IJ17100125	Install OTR (1)	5	08AUG06	14AUG06						⚠Install OTR (1)	
IJ17100130	Install Current Monitor (1)	5	08AUG06	14AUG06						⚠Install Current Monitor (1)	
IJ17100135	Final Alignment	10	15AUG06	28AUG06						⚠Final Alignment	
IJ17090155	Final Alignment	10	16AUG06	29AUG06						⚠Final Alignment	
IJ17100140	AVAIL: DL1TL Installed	0		28AUG06						◆AVAIL: DL1TL Installed	
IJ1710_020	AVAIL: Insertion Area Components Installed	0		28AUG06						◆AVAIL: Insertion Area Components Installed	
1.02.17.11 Spectrometer Area Integration											
IJ1711_010	REQD: Spectrometer Area Components RFI	0		02MAY06						◆REQD: Spectrometer Area Components RFI	
IJ1711	STRAIGHT AHEAD BEAMLINE (SAB) INSTALL	82	03MAY06	28AUG06						⚠STRAIGHT AHEAD BEAMLINE (SAB) INSTALL SUMMARY	
IJ17110000	REQD: SAB Spectrometer Dipole Ready for Instl	0		31JUL06						◆REQD: SAB Spectrometer Dipole Ready for Instl	

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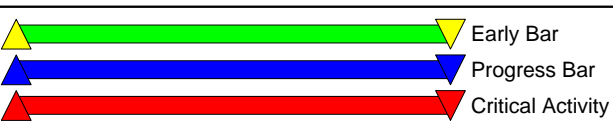
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
IJ17110005	REQD: SAB Quadrupoles (3) Ready for Instl	0		31JUL06				◆REQD: SAB Quadrupoles (3) Ready for Instl		
IJ17110010	REQD: SAB Current Monitor (1) Ready for Instl	0		31JUL06				◆REQD: SAB Current Monitor (1) Ready for Instl		
IJ17110015	REQD: SAB BPM Ready for Instl	0		31JUL06				◆REQD: SAB BPM Ready for Instl		
IJ17110020	REQD: SAB OTR/YAG (1) Ready for Instl	0		31JUL06				◆REQD: SAB OTR/YAG (1) Ready for Instl		
IJ17110025	REQD: SAB Vacuum Chamber Ready for Instl	0		31JUL06				◆REQD: SAB Vacuum Chamber Ready for Instl		
IJ17110030	REQD: SAB Beam Dump & Shielding Ready for Instl	0		31JUL06				◆REQD: SAB Beam Dump & Shielding Ready for Instl		
IJ17110035	REQD: SAB Supports Ready for Instl	0		31JUL06				◆REQD: SAB Supports Ready for Instl		
IJ17110036	REQD: SAB Steering Coils (2) Ready for Instl	0		31JUL06				◆REQD: SAB Steering Coils (2) Ready for Instl		
IJ17110105	Install SAB Spectrometer Dipole	5	01AUG06	07AUG06				▲Install SAB Spectrometer Dipole		
IJ17110115	Install SAB Current Monitor (1)	5	01AUG06	07AUG06				▲Install SAB Current Monitor (1)		
IJ17110120	Install SAB BPM (1)	5	01AUG06	07AUG06				▲Install SAB BPM (1)		
IJ17110125	Install SAB OTR/YAG (1)	5	01AUG06	07AUG06				▲Install SAB OTR/YAG (1)		
IJ17110130	Install SAB Vacuum Chamber and Components	5	01AUG06	07AUG06				▲Install SAB Vacuum Chamber and Components		
IJ17110141	Install Steering Coils (2)	5	01AUG06	07AUG06				▲Install Steering Coils (2)		
IJ17110110	Install SAB Quadrupoles (3)	10	01AUG06	14AUG06				▲Install SAB Quadrupoles (3)		
IJ17110135	Install SAB Beam Dump and Shielding	10	01AUG06	14AUG06				▲Install SAB Beam Dump and Shielding		
IJ17110140	Install SAB Supports	10	01AUG06	14AUG06				▲Install SAB Supports		
IJ17110145	Final Alignment	10	15AUG06	28AUG06				▲Final Alignment		
IJ17110150	AVAIL: SAB Installed	0		28AUG06				◆AVAIL: SAB Installed		
IJ1711_020	AVAIL: Spectrometer Area Components Installed	0		28AUG06				◆AVAIL: Spectrometer Area Components Installed		
1.02.17.12 Injector RF High Power System Install & Align										
IJ17120000	REQD:Vertical Drop Waveguide Rdy to Install	0		14OCT05				◆REQD:Vertical Drop Waveguide Rdy to Install		
IJ1712_010	REQD: Inj RF High Power Components RFI	0		14OCT05				◆REQD: Inj RF High Power Components RFI		
IJ17120005	Install Vertical Drop Waveguide	7	17OCT05	25OCT05				▲Install Vertical Drop Waveguide		
IJ1712	INJECTOR RF WAVEGUIDE INSTALLATION	196	17OCT05	09AUG06				▲INJECTOR RF WAVEGUIDE INSTALLATION SUMMARY		
IJ17120010	AVAIL: Vertical Drop Waveguide Installed	0		25OCT05				◆AVAIL: Vertical Drop Waveguide Installed		
IJ17120001	REQD:Klystron Housing Waveguide Rdy to Install	0		01DEC05				◆REQD:Klystron Housing Waveguide Rdy to Install		
IJ17120006	Install Klystron Housing Waveguide	7	02DEC05	12DEC05				▲Install Klystron Housing Waveguide		
IJ17120011	AVAIL: Klystron Housing Waveguide Installed	0		12DEC05				◆AVAIL: Klystron Housing Waveguide Installed		
IJ17120002	REQD:Injector Housing Waveguide Rdy to Install	0		15FEB06				◆REQD:Injector Housing Waveguide Rdy to Install		
IJ17120007	Install Injector Housing Waveguide	7	16FEB06	27FEB06				▲Install Injector Housing Waveguide		
IJ17120012	AVAIL: Injector Housing Waveguide Installed	0		27FEB06				◆AVAIL: Injector Housing Waveguide Installed		
IJ17120003	REQD:Transverse Kicker Waveguide Rdy to Install	0		31JUL06				◆REQD:Transverse Kicker Waveguide Rdy to Install		
IJ17120008	Install Transverse Kicker Waveguide	7	01AUG06	09AUG06				▲Install Transverse Kicker Waveguide		
IJ17120013	AVAIL: Transverse Kicker Waveguide Installed	0		09AUG06				◆AVAIL: Transverse Kicker Waveguide Installed		
IJ1712_020	AVAIL: Inj RF High Power Components Installed	0		09AUG06				◆AVAIL: Inj RF High Power Components Installed		

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
1.02.17.13 Injector RF Low Level Install & Align										
IJ17130000	AVAIL: Injector RF Subsystem Installed	0		28NOV06				◆AVAIL: Injector RF Subsystem Installed		
IJ17130100	REQD: All Inj RF Subsys Equip Ready for Instl	0		28NOV06				◆REQD: All Inj RF Subsys Equip Ready for Instl		
IJ1713_010	REQD: Inj RF Low Level Components RFI	0		28NOV06				◆REQD: Inj RF Low Level Components RFI		
IJ1713_020	AVAIL: Inj RF Low Level Components Installed	0		28NOV06				◆AVAIL: Inj RF Low Level Components Installed		
IJ1713	INJECTOR RF SUBSYS INSTALLATION SUMMARY	0	29NOV06	28NOV06				⚠INJECTOR RF SUBSYS INSTALLATION SUMMARY		
1.02.17.14 Cathode and Load Lock Install & Align										
IJ17140020	REQD: CP Lab Ready for Instl	0		31AUG06				◆REQD: CP Lab Ready for Instl		
IJ17140125	Install CP Lab Infrastructure	15	01SEP06	22SEP06				⚠Install CP Lab Infrastructure		
IJ1714	CATHODE AND LOAD LOCK INSTALLATION	246	01SEP06	06SEP07				⚠CATHODE AND LOAD LOCK INSTALLATION		
IJ17140005	REQD: CP Load Lock Supts Ready for Instl	0		11DEC06				◆REQD: CP Load Lock Supts Ready for Instl		
IJ1714_010	REQD: Cathode & Load Lock Components RFI	0		11DEC06				◆REQD: Cathode & Load Lock Components RFI		
IJ17140110	Install CP Load Lock Supports Ready for Install	15	12DEC06	17JAN07				⚠Install CP Load Lock Supports Ready for Install		
IJ17140000	REQD: Cathode Assy Ready for Instl	0		28MAR07				◆REQD: Cathode Assy Ready for Instl		
IJ17140105	Install CP Cathode Assembly	15	29MAR07	18APR07				⚠Install CP Cathode Assembly		
IJ17140010	REQD: CP Load Lock Ready for Instl	0		02APR07				◆REQD: CP Load Lock Ready for Instl		
IJ17140115	Install CP Load Lock	15	03APR07	23APR07				⚠Install CP Load Lock		
IJ17140015	REQD: CP Station Ready for Instl	0		15AUG07				◆REQD: CP Station Ready for Instl		
IJ17140120	Install CP Station	15	16AUG07	06SEP07				⚠Install CP Station		
IJ17140130	AVAIL: CP Station Installed	0		06SEP07				◆AVAIL: CP Station Installed		
IJ1714_020	AVAIL: Cathode & Load Lock Components Installed	0		06SEP07				◆AVAIL: Cathode & Load Lock Components Installed		
1.02.17.15 Injector Laser Heater Subsystem Install & Align										
IJ17150005	REQD:Magnet Supports Ready for Instl	0		04SEP07				◆REQD:Magnet Supports Ready for Instl		
IJ17150020	REQD: Undulator Ready for Instl	0		04SEP07				◆REQD: Undulator Ready for Instl		
IJ1715_010	REQD: Inj Laser Heater Components RFI	0		04SEP07				◆REQD: Inj Laser Heater Components RFI		
IJ17150110	Install Magnet Supports	10	05SEP07	18SEP07				⚠Install Magnet Supports		
IJ17150120	Install Beampipe	10	05SEP07	18SEP07				⚠Install Beampipe		
IJ17150125	Install Undulator	15	05SEP07	25SEP07				⚠Install Undulator		
IJ1715	INJECTOR LASER HEATER SUBSYS INSTALL SUMMARY	56	05SEP07	21NOV07				⚠INJECTOR LASER HEATER SUBSYS INSTALL SUMMARY		
IJ17150115	Install Photon Diagnostics Supports	5	19SEP07	25SEP07				⚠Install Photon Diagnostics Supports		
IJ17150116	AVAIL: Photon Diagnostics Supports Installed	0		25SEP07				◆AVAIL: Photon Diagnostics Supports Installed		
IJ17150130	AVAIL: Laser Heater Installed	0		25SEP07				◆AVAIL: Laser Heater Installed		
IJ17150000	REQD: Enclosures,Tubes&Supports Ready for Instl	0		07NOV07				◆REQD: Enclosures,Tubes&Supports Ready for Instl		
IJ17150105	Install Enclosures,Tubes&Supports	10	08NOV07	21NOV07				⚠Install Enclosures,Tubes&Supports		
IJ17150106	AVAIL: Enclosures,Tubes&Supports Installed	0		21NOV07				◆AVAIL: Enclosures,Tubes&Supports Installed		
IJ1715_020	AVAIL: Inj Laser Heater Components Installed	0		21NOV07				◆AVAIL: Inj Laser Heater Components Installed		

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▶ Progress Bar
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
1.02.17.16 FY04 Sector 20 Facility Preps										
IJ1716	FY04 SECTOR 20 FACILITY PREPS SUMMARY	1,090	01OCT04	31MAR09	▲ FY04 SEC					
1.02.17.17 Power Conversion Subsystem Installation										
IJ17170120	REQD: Laser Room PPS	0		05JUL06						◆ REQD: Laser Room PPS
IJ17170125	Install Laser Room PPS	5	06JUL06	12JUL06						▲ Install Laser Room PPS
IJ1717	POWER CONVERSION SUBSYSTEM INSTALL	199	06JUL06	02MAY07						▲ POWER CONVERSION SUBSYSTEM INSTAL
IJ17170000	REQD: Injector MCOR 1	0		27OCT06						◆ REQD: Injector MCOR 1
IJ17170020	REQD: Injector MCOR 3	0		27OCT06						◆ REQD: Injector MCOR 3
IJ17170030	REQD: Injector MCOR 4	0		27OCT06						◆ REQD: Injector MCOR 4
IJ17170040	REQD: Wiggler PS 15KW	0		27OCT06						◆ REQD: Wiggler PS 15KW
IJ17170060	REQD: Injector Solenoid 2PS 30KW	0		27OCT06						◆ REQD: Injector Solenoid 2PS 30KW
IJ17170070	REQD: Injector B0.5 Spect PS 2KW	0		27OCT06						◆ REQD: Injector B0.5 Spect PS 2KW
IJ17170080	REQD: Injector B1-2 PS 15KW	0		27OCT06						◆ REQD: Injector B1-2 PS 15KW
IJ17170090	REQD: Injector B3 Spect PS 15KW	0		27OCT06						◆ REQD: Injector B3 Spect PS 15KW
IJ1717_010	REQD: Injector Power Conv Components RFI	0		27OCT06						◆ REQD: Injector Power Conv Components RFI
IJ17170050	REQD: Injector Solenoid 1PS 15KW	0		30OCT06						◆ REQD: Injector Solenoid 1PS 15KW
IJ17170005	Install Injector MCOR 1	5	30OCT06	03NOV06						▲ Install Injector MCOR 1
IJ17170025	Install Injector MCOR 3	5	30OCT06	03NOV06						▲ Install Injector MCOR 3
IJ17170035	Install Injector MCOR 4	5	30OCT06	03NOV06						▲ Install Injector MCOR 4
IJ17170045	Install Wiggler PS 15KW	5	30OCT06	03NOV06						▲ Install Wiggler PS 15KW
IJ17170065	Install Injector Solenoid 2PS 30KW	5	30OCT06	03NOV06						▲ Install Injector Solenoid 2PS 30KW
IJ17170075	Install Injector B0.5 Spect PS 2KW	5	30OCT06	03NOV06						▲ Install Injector B0.5 Spect PS 2KW
IJ17170085	Install Injector B1-2 PS 15KW	5	30OCT06	03NOV06						▲ Install Injector B1-2 PS 15KW
IJ17170095	Install Injector B3 Spect PS 15KW	5	30OCT06	03NOV06						▲ Install Injector B3 Spect PS 15KW
IJ17170055	Install Injector Solenoid 1PS 15KW	5	31OCT06	06NOV06						▲ Install Injector Solenoid 1PS 15KW
IJ17170100	REQD: Injector MPS Equipment	0		09MAR07						◆ REQD: Injector MPS Equipment
IJ17170105	Install Injector MPS Equipment	5	12MAR07	16MAR07						▲ Install Injector MPS Equipment
IJ17170010	REQD: Injector MCOR 2	0		19MAR07						◆ REQD: Injector MCOR 2
IJ17170015	Install Injector MCOR 2	5	20MAR07	26MAR07						▲ Install Injector MCOR 2
IJ17170110	REQD: Injector PPS Equipment	0		25APR07						◆ REQD: Injector PPS Equipment
IJ17170115	Install Injector PPS Equipment	5	26APR07	02MAY07						▲ Install Injector PPS Equipment
IJ17170122	AVAIL: Power Conversion System Installed	0		02MAY07						◆ AVAIL: Power Conversion System Installed
IJ1717_020	AVAIL: Injector Power Conv Components Installed	0		02MAY07						◆ AVAIL: Injector Power Conv Components Installed
2 LCLS PROJECT - R&D, SPARES, COMMISSIONING										
2.02 INJECTOR SYSTEM (OPC)										
IJ_OPSPR	Injector OPC Spares Complete	0		30AUG07						◆ Injector OPC Spares Complete

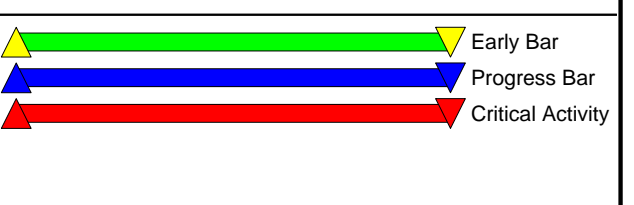
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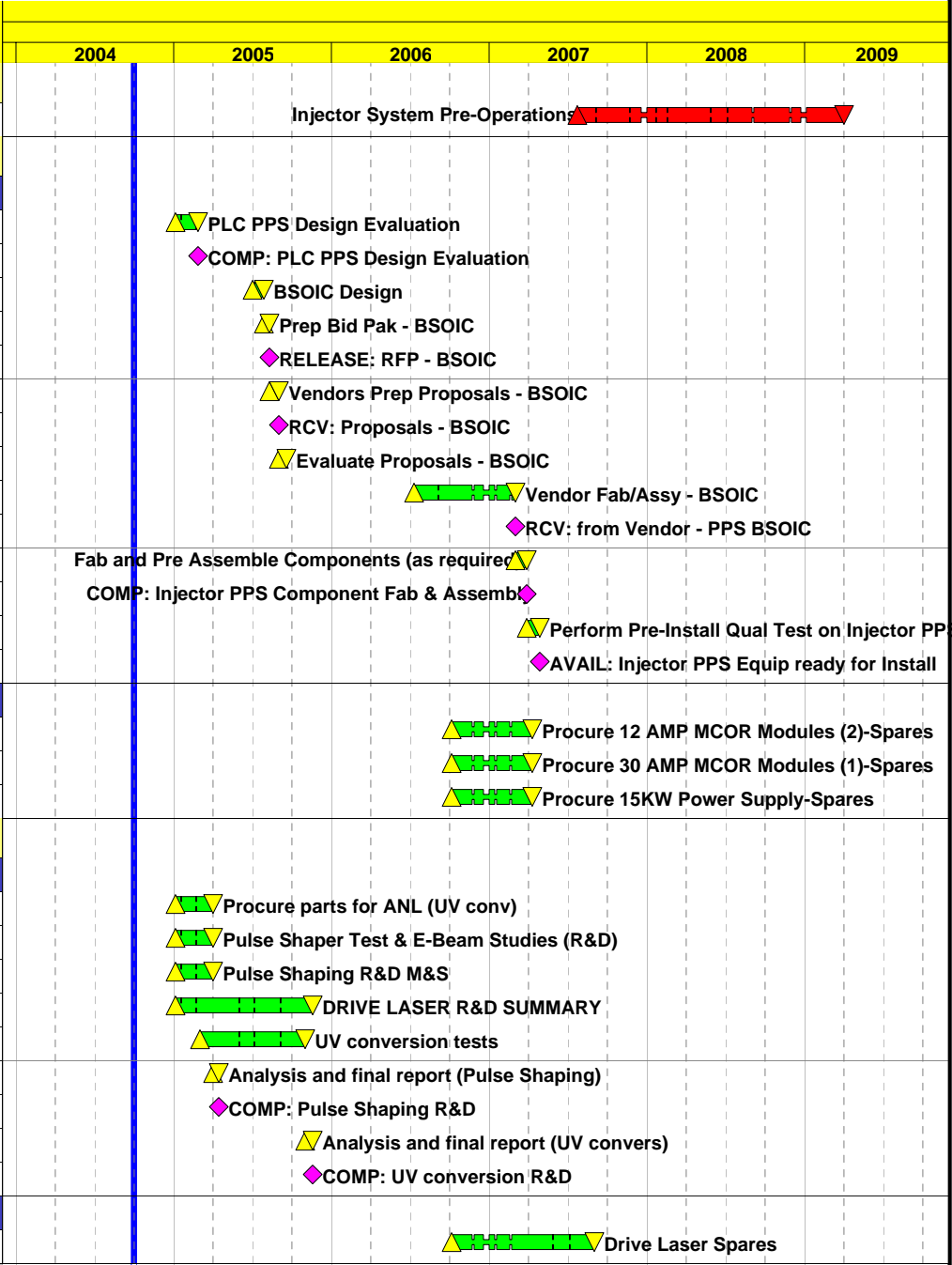
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2.02.01 Injector System Management & Integration				
IJOPS_0000	Injector System Pre-Operations	411	23JUL07*	31MAR09
2.02.02 Injector Controls Subsystem				
2.02.02.01 Personnel Protection System (PPS) R&D				
IJ16020000	PLC PPS Design Evaluation	36	03JAN05*	23FEB05
IJ16020005	COMP: PLC PPS Design Evaluation	0		23FEB05
IJ16010047	BSOIC Design	18	01JUL05*	27JUL05
IJ16010225	Prep Bid Pak - BSOIC	10	28JUL05	10AUG05
IJ16010230	RELEASE: RFP - BSOIC	0		10AUG05
IJ16010235	Vendors Prep Proposals - BSOIC	15	11AUG05	31AUG05
IJ16010240	RCV: Proposals - BSOIC	0		31AUG05
IJ16010245	Evaluate Proposals - BSOIC	10	01SEP05	15SEP05
IJ16010255	Vendor Fab/Assy - BSOIC	150	12JUL06	28FEB07
IJ16010260	RCV: from Vendor - PPS BSOIC	0		28FEB07
IJ16010275	Fab and Pre Assemble Components (as required)	20	01MAR07	28MAR07
IJ16010286	COMP: Injector PPS Component Fab & Assembly	0		28MAR07
IJ16010288	Perform Pre-Install Qual Test on Injector PPS	20	29MAR07*	25APR07
IJ16010290	AVAIL: Injector PPS Equip ready for Install	0		25APR07
2.02.02.04 Power Conv (beamline pwr supp) Spares				
IJ16020400	Procure 12 AMP MCOR Modules (2)-Spares	120	03OCT06*	09APR07
IJ16020405	Procure 30 AMP MCOR Modules (1)-Spares	120	03OCT06	09APR07
IJ16020410	Procure 15KW Power Supply-Spares	120	03OCT06	09APR07
2.02.03 Injector Lasers				
2.02.03.01 Drive Laser Prototyping				
IJ03010020	Procure parts for ANL (UV conv)	60	03JAN05	29MAR05
IJ03010040	Pulse Shaper Test & E-Beam Studies (R&D)	62	03JAN05	31MAR05
IJ03010060	Pulse Shaping R&D M&S	62	03JAN05	31MAR05
IJ0301	DRIVE LASER R&D SUMMARY	222	03JAN05	15NOV05
IJ03010025	UV conversion tests	173*	01MAR05*	01NOV05
IJ03010045	Analysis and final report (Pulse Shaping)	10	01APR05	14APR05
IJ03010090	COMP: Pulse Shaping R&D	0		14APR05
IJ03010030	Analysis and final report (UV convers)	10	02NOV05	15NOV05
IJ03010050	COMP: UV conversion R&D	0		15NOV05
2.02.03.02 Drive Laser System				
IJ22320000	Drive Laser Spares	221	03OCT06	30AUG07



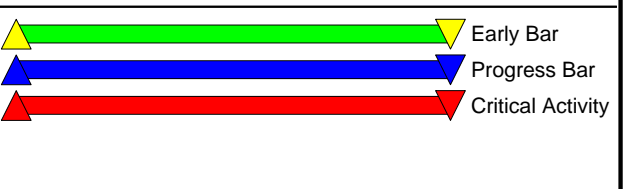
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					2004	2005	2006	2007	2008	2009
2.02.03.14 LSR HTR - Beam Conditioning Optics (Laser Bay)										
IJ15020000	Procure Laser Heater Optics Spares	21	03OCT06	31OCT06				▽ Procure Laser Heater Optics Spares		
2.02.04 Injector RF Subsystem										
2.02.04.01 RF Gun & Load Lock										
IJ22410000	RF Gun R&D (GTF)	343	04OCT04	10MAR06	▶ RF Gun R&D (GTF)					
IJ22410001	RF Gun R&D (GRF) Procurement	289	03JAN05	09MAR06	▶ RF Gun R&D (GRF) Procurement					
IJ22420000	RF Gun Spares	221	03OCT06	30AUG07				▶ RF Gun Spares		
IJ22430000	RF Gun Load Lock Spares	221	03OCT06	30AUG07				▶ RF Gun Load Lock Spares		
2.02.04.02 Cathode Processing (CP) Station										
IJ22E20000	CP Spares	221	03OCT06	30AUG07				▶ CP Spares		
2.02.04.05 Injector RF Waveguide Subsystem										
IJ22C20000	RF Waveguides Spares	221	03OCT06	30AUG07				▶ RF Waveguides Spares		
2.02.04.06 Injector Linac Structures										
IJ22620000	Linac Spares	221	03OCT06	30AUG07				▶ Linac Spares		
2.02.05 Injector Magnets & Supports										
2.02.05.02 Injector Quadrupoles										
IJ22920000	DL1 Spares	221	03OCT06	30AUG07				▶ DL1 Spares		
IJ22B20000	SAB Spares	221	03OCT06	30AUG07				▶ SAB Spares		
2.02.05.03 Injector Steering Coils										
IJ22A20000	DL1 to Linac Spares	221	03OCT06	30AUG07				▶ DL1 to Linac Spares		
2.02.07 Injector Diagnostics										
2.02.07.01 Injector Beam Position Monitors										
IJ22720000	L0-1 to L0-2 Spares	221	03OCT06	30AUG07				▶ L0-1 to L0-2 Spares		
IJ22820000	Linac to DL1 Spares	221	03OCT06	30AUG07				▶ Linac to DL1 Spares		
2.02.07.04 Injector Profile Monitors										
IJ22520000	GTL Spares	221	03OCT06	30AUG07				▶ GTL Spares		
2.02.15										
2.02.15.08										
IJ15080011	REQD:Complete Spectrometer	0		28AUG06				◆ REQD:Complete Spectrometer		
IJ1508	TESTING AND COMMISSIONING SUMMARY	396	29AUG06	22APR08	▶ TESTING AND COMMISSIONING SUMMARY					
IJ15080009	REQD:Complete Laser Heater Controls	0		07JUN07				◆ REQD:Complete Laser Heater Controls		
IJ15080007	REQD:Complete Chicane Installation	0		18SEP07				◆ REQD:Complete Chicane Installation		
IJ15080008	REQD:Complete Undulator Installation	0		25SEP07				◆ REQD:Complete Undulator Installation		
IJ15080040	COMP: Laser Heater Commissioning	0		22APR08				◆ COMP: Laser Heater Commissioning		

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
2.02.17 Injector System Commissioning										
2.02.17.02 Drive Laser Commissioning										
IJ21702115	Integrate: Drive Laser	30	18AUG06	29SEP06				▲▼ Integrate: Drive Laser		
IJ21702	DRIVE LASER COMMISSIONING SUMMARY	248	18AUG06	24AUG07	DRIVE LASER COMMISSIONING SUMMARY ▲▼					
IJ21702117	Integrate: OSC Diagnostics	5	02OCT06	06OCT06				▲▼ Integrate: OSC Diagnostics		
IJ21702130	Checkout & Integrate: Low Power Compressor	10	09OCT06	20OCT06				▲▼ Checkout & Integrate: Low Power Compressor		
IJ21702120	Checkout & Integrate: Pre-Amp Diagnostics	15	09OCT06	27OCT06				▲▼ Checkout & Integrate: Pre-Amp Diagnostics		
IJ21702140	Checkout & Integrate: Final Amplifier diagnostic	20	23OCT06	17NOV06				▲▼ Checkout & Integrate: Final Amplifier diagnostic		
IJ21702240	Checkout & Integrate: UV conversion diagnostics	15	20NOV06	12DEC06				▲▼ Checkout & Integrate: UV conversion diagnostics		
IJ21702365	Integration of the Drive Laser Controls	90	06DEC06	27APR07				▲▼ Integration of the Drive Laser Controls		
IJ21702367	C/O & Integ: Visible Beam transport & diag	30	13DEC06	08FEB07				▲▼ C/O & Integ: Visible Beam transport & diag		
IJ21702180	Checkout & Integrate: Timing stability monitoring	40	13DEC06	23FEB07	Checkout & Integrate: Timing stability monitoring ▲▼					
IJ21702369	C/O & Integ: IR Beam transport & diag	15	09FEB07	02MAR07				▲▼ C/O & Integ: IR Beam transport & diag		
IJ21702220	Checkout & Integrate: Beam relay & Encl	10	26FEB07	09MAR07				▲▼ Checkout & Integrate: Beam relay & Encl		
IJ21702290	Checkout & Integrate: UV transport & launch Opt	30	12MAR07	20APR07	Checkout & Integrate: UV transport & launch Opt ▲▼					
IJ21702355	AVAIL: UV Beam to the Cathode	0		20APR07				◆ AVAIL: UV Beam to the Cathode		
IJ21702360	UV Conditioning	88	23APR07	24AUG07				▲▼ UV Conditioning		
IJ21702370	AVAIL: Drive Laser	0		24AUG07				◆ AVAIL: Drive Laser		
2.02.17.03 RF Conditioning										
IJ21703	RF Conditioning	45	03MAY07	06JUL07				▲▼ RF Conditioning		
2.02.17.04 RF Gun Operation with Beam										
IJ21704000	RF Gun Operation with Beam	65	09JUL07	08OCT07				▲▼ RF Gun Operation with Beam		
IJ21704005	RF Gun Operation with Beam	14	09OCT07	26OCT07				▲▼ RF Gun Operation with Beam		
2.02.17.05 L0-1&L0-2 Commissioning										
IJ21705	L0-1 & L0-2 Commissioning	65	22AUG07	21NOV07				▲▼ L0-1 & L0-2 Commissioning		
2.02.17.06 L0&SAB Commissioning										
IJ21706	L0 & SAB Commissioning	24	08OCT07	08NOV07				▲▼ L0 & SAB Commissioning		
2.02.17.07 DL1 Commissioning										
IJ21707	DL1 Commissioning	28	09NOV07	07JAN08				▲▼ DL1 Commissioning		
2.02.17.08 Injector Optimization										
IJ15080005	Plan for Laser Heater commissioning	10	08JAN08	22JAN08				Plan for Laser Heater commissioning ▲▼		
IJ21708	Injector Optimization	118	08JAN08	24JUN08				▲▼ Injector Optimization		
IJ15080010	Commission Laser Heater Bay Optics	10	23JAN08	05FEB08				Commission Laser Heater Bay Optics ▲▼		
IJ15080015	Commission IR Optical Path to Laser Heater	5	12MAR08	18MAR08				Commission IR Optical Path to Laser Heater ▲▼		
IJ15080020	Match beam power and size for LH	10	19MAR08	01APR08				Match beam power and size for LH ▲▼		
IJ15080025	Setup LH electron energy spread measurement	10	02APR08	15APR08				Setup LH electron energy spread measurement ▲▼		
IJ15080030	Overlap LH electron and laser beams	5	16APR08	22APR08				Overlap LH electron and laser beams ▲▼		

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